

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058669.D
 Acq On : 10 Oct 2019 17:06
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 2:47:47 PM

Quant Time: Oct 11 04:21:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75698	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424534	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	394138	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193549	29.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.17%
60) 4-Bromofluorobenzene	12.41	95	208248	30.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.27%
63) Toluene-d8	10.08	98	553432	29.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	218741	48.857 ug/l	98
3) Chloromethane	2.04	50	283394	52.981 ug/l	99
4) Vinyl Chloride	2.17	62	290575	54.125 ug/l	99
5) Bromomethane	2.54	94	175333	57.282 ug/l	97
6) Chloroethane	2.68	64	181817	56.774 ug/l	97
7) Trichlorofluoromethane	3.00	101	367156	57.871 ug/l	99
8) Diethyl Ether	3.39	74	137123	49.743 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212479	50.186 ug/l	99
10) 1,1-Dichloroethene	3.72	96	203593	49.100 ug/l	100
11) Methyl Iodide	3.93	142	296514	64.274 ug/l	97
12) Methyl Acetate	4.30	43	329339	57.302 ug/l	98
13) Acrolein	3.59	56	173504	666.156 ug/l	97
14) Acrylonitrile	4.96	53	660404	283.323 ug/l	99
15) Acetone	3.80	58	206560	320.096 ug/l	97
16) Carbon Disulfide	4.03	76	586401	49.726 ug/l	99
17) Allyl chloride	4.30	41	416711	53.039 ug/l	98
18) Methylene Chloride	4.53	84	248735	50.684 ug/l	99
19) trans-1,2-Dichloroethene	5.02	96	224147	48.379 ug/l	95
20) Diisopropyl ether	5.93	45	849927	51.188 ug/l	96
21) 1,1-Dichloroethane	5.82	63	472858	51.066 ug/l	100
22) cis-1,2-Dichloroethene	6.81	96	270584	50.073 ug/l	99
23) tert-Butyl Alcohol	4.76	59	268438	303.758 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	784522	52.296 ug/l	100
25) Chloroform	7.35	83	470923	50.282 ug/l	96
26) Cyclohexane	7.64	56	417514	48.933 ug/l	# 97
29) 1,1-Dichloropropene	7.78	75	357860	51.548 ug/l	100
30) 2-Butanone	6.81	43	1043604	318.485 ug/l	100
31) 2,2-Dichloropropane	6.80	77	421369	57.640 ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	408784	53.609 ug/l	100
33) Carbon Tetrachloride	7.76	117	357785	55.012 ug/l	99
34) Benzene	8.03	78	1035852	52.267 ug/l	# 93
35) Methacrylonitrile	7.16	41	188205m	65.479 ug/l	
36) 1,2-Dichloroethane	8.11	62	397002	51.183 ug/l	100
37) Trichloroethene	8.82	130	255209	51.527 ug/l	99
38) Methylcyclohexane	9.07	83	413989	49.613 ug/l	99
39) 1,2-Dichloropropane	9.11	63	284268	52.218 ug/l	98
40) Dibromomethane	9.20	93	179940	52.531 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	369088	53.950	ug/l	99
42) Vinyl Acetate	5.87	43	3673389	298.821	ug/l	100
43) Ethyl Acetate	6.91	43	391544	59.585	ug/l	95
44) Isopropyl Acetate	8.15	43	641812	56.102	ug/l #	90
45) 1,4-Dioxane	9.19	88	98380	1049.009	ug/l	99
46) Methyl methacrylate	9.19	41	297577	55.192	ug/l	99
47) n-amyl Acetate	12.07	43	580426	57.854	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	431570	56.893	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	451478	54.343	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	257898	53.682	ug/l	99
51) Ethyl methacrylate	10.43	69	423428	55.556	ug/l	99
52) 1,3-Dichloropropane	10.71	76	456912	53.608	ug/l	99
53) Dibromochloromethane	10.90	129	280280	56.907	ug/l	98
54) 1,2-Dibromoethane	11.00	107	268446	54.554	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1036733	306.241	ug/l	99
56) Bromoform	12.13	173	196751	61.730	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1993934	311.359	ug/l	100
59) 2-Hexanone	10.75	43	1599390	328.127	ug/l	99
61) Tetrachloroethene	10.63	164	221546	52.493	ug/l	98
62) Toluene	10.15	91	1126581	51.997	ug/l	99
64) Chlorobenzene	11.43	112	686649	51.550	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	258874	54.326	ug/l	98
66) Ethyl Benzene	11.51	91	1273343	54.024	ug/l	99
67) m/p-Xylenes	11.62	106	946238	104.410	ug/l	100
68) o-Xylene	11.95	106	450677	51.202	ug/l	99
69) Styrene	11.97	104	761221	51.909	ug/l	99
70) Isopropylbenzene	12.25	105	1254645	54.930	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	406235	54.709	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	365467m	56.825	ug/l	
73) Bromobenzene	12.53	156	294193	52.763	ug/l	99
74) n-propylbenzene	12.60	91	1491267	56.464	ug/l	100
75) 2-Chlorotoluene	12.68	91	871048	52.789	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	1069396	54.332	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	144808	65.540	ug/l	98
78) 4-Chlorotoluene	12.78	91	896841	53.061	ug/l	99
79) tert-butylbenzene	13.00	119	913674	53.389	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	1077713	55.009	ug/l	99
81) sec-Butylbenzene	13.18	105	1246016	55.776	ug/l	100
82) p-Isopropyltoluene	13.29	119	1131412	56.118	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	543945	52.993	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	540642	52.727	ug/l	99
85) n-Butylbenzene	13.62	91	1041417	55.819	ug/l	100
86) Hexachloroethane	13.88	117	198450	58.459	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	536868	53.603	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	90086	59.640	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	340896	51.832	ug/l	99
90) Hexachlorobutadiene	15.02	225	170566	53.166	ug/l	100
91) Naphthalene	15.13	128	1016886	55.531	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	324649	51.205	ug/l	99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

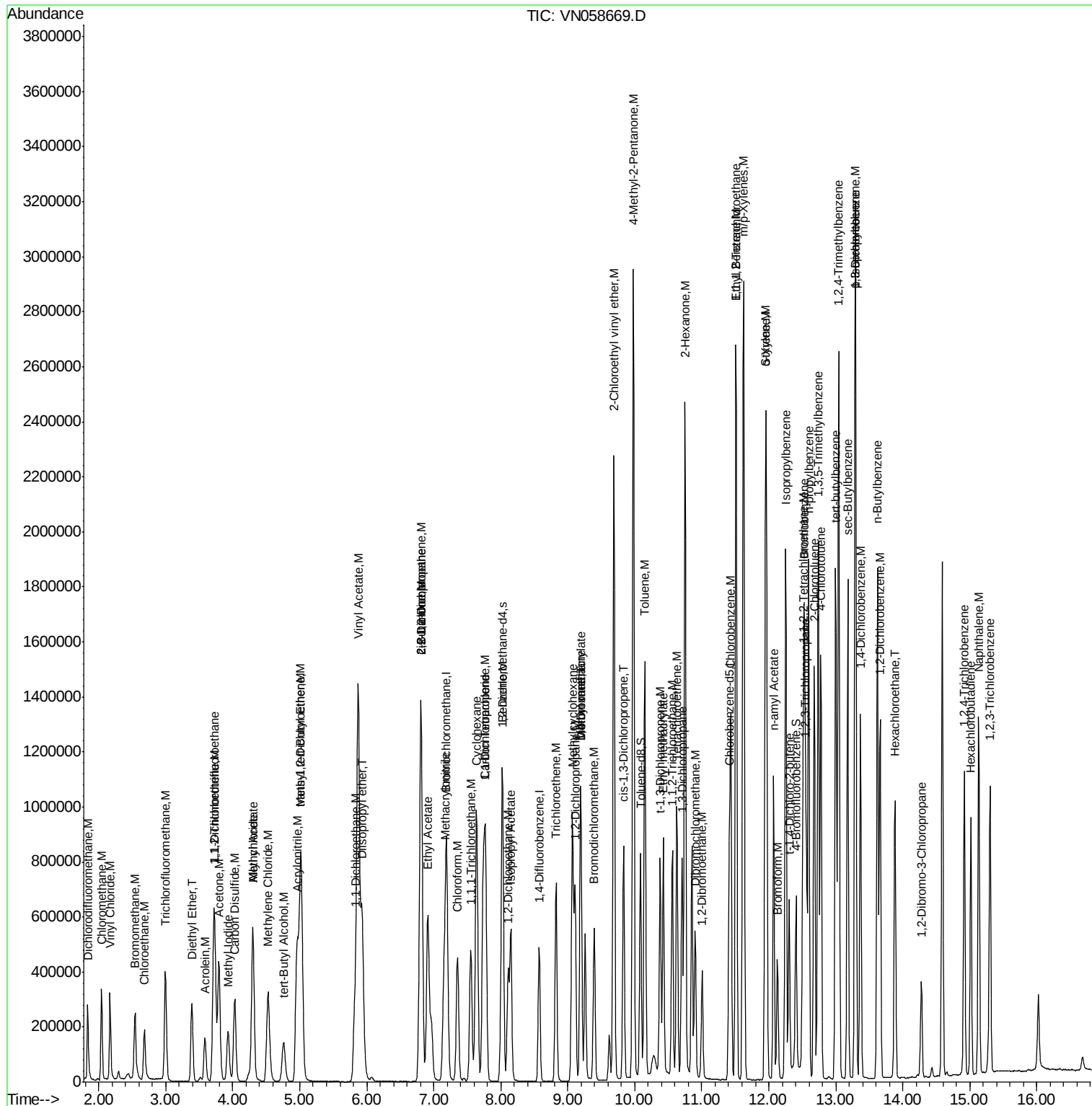
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
Data File : VN058669.D
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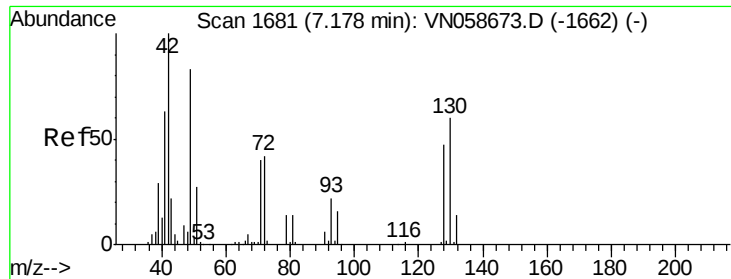
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 75698

Ion Ratio Lower Upper

128 100

49 187.9 0.0 453.5

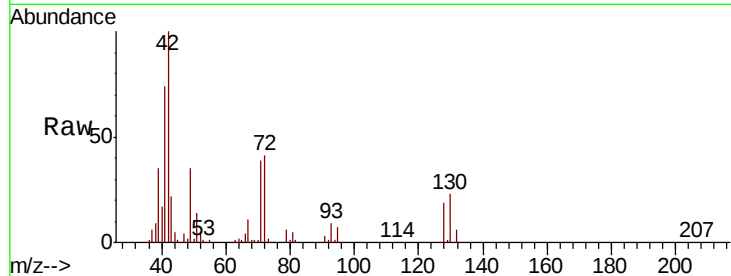
130 125.7 0.0 314.2

Manual Integrations

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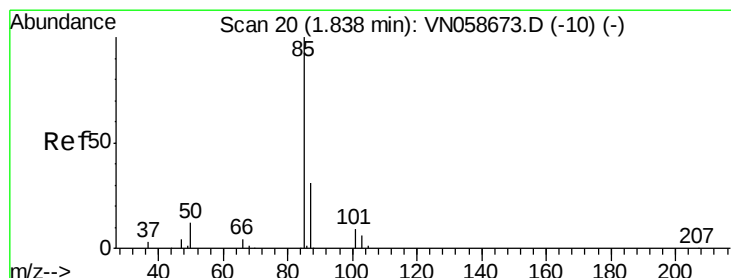
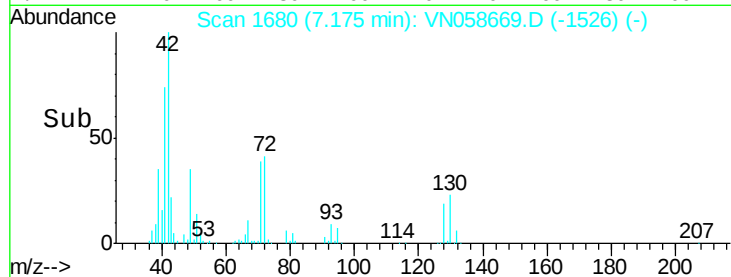
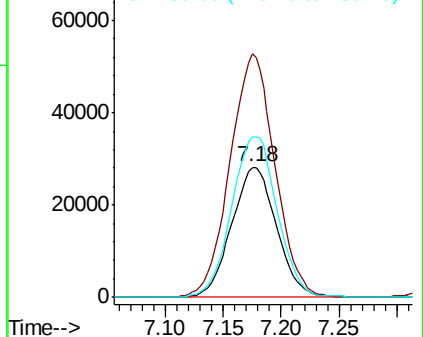
10/11/2019 2:47:47 PM



Abundance Ion 128.00 (127.70 to 128.70): VN058673.D (-1662) (-)

Ion 49.00 (48.70 to 49.70): VN058673.D (-1662) (-)

Ion 130.00 (129.70 to 130.70): VN058673.D (-1662) (-)



#2

Dichlorodifluoromethane

Concen: 48.857 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058669.D

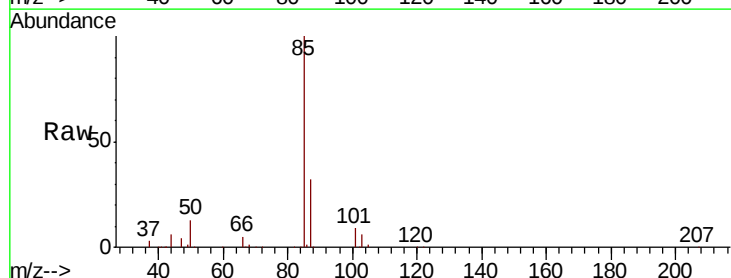
Acq: 10 Oct 2019 17:06

Tgt Ion: 85 Resp: 218741

Ion Ratio Lower Upper

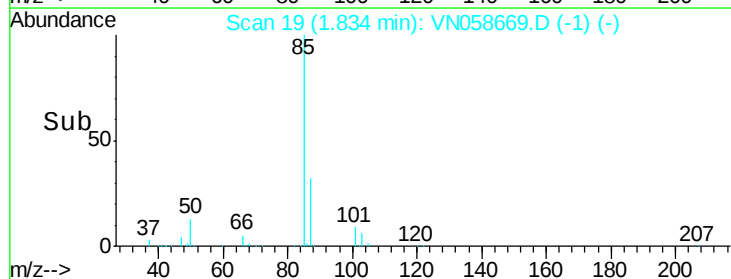
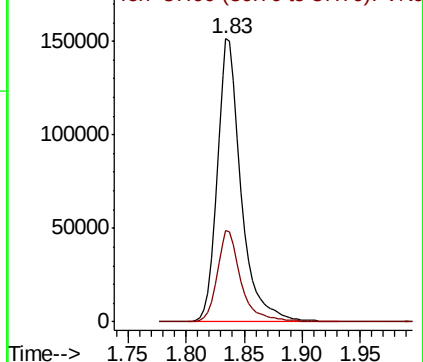
85 100

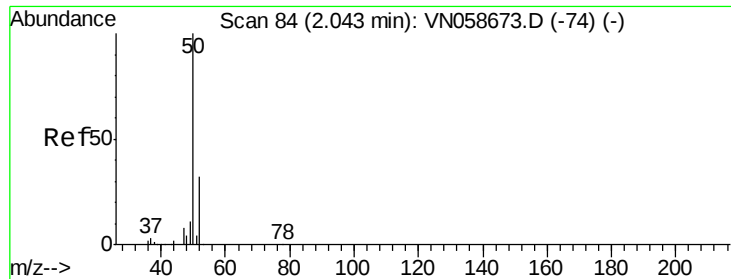
87 32.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN058673.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VN058673.D (-10) (-)





#3

Chloromethane

Concen: 52.981 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 283394

Ion Ratio Lower Upper

50 100

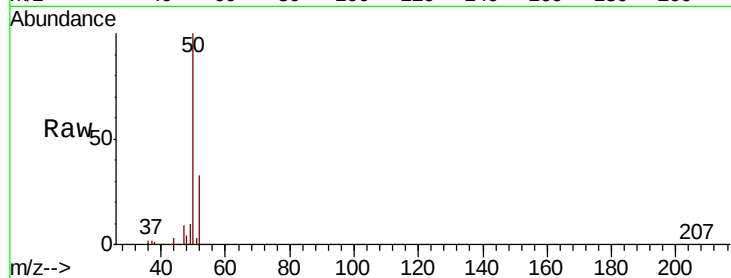
52 32.7 25.8 38.8

Manual Integrations

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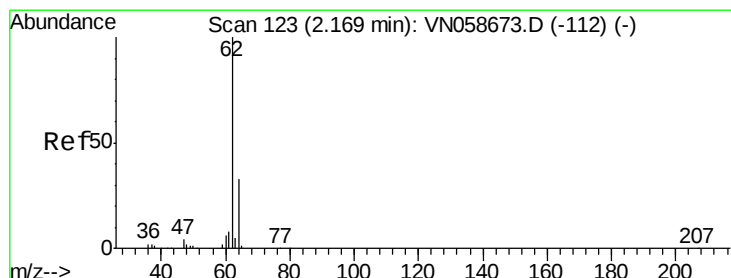
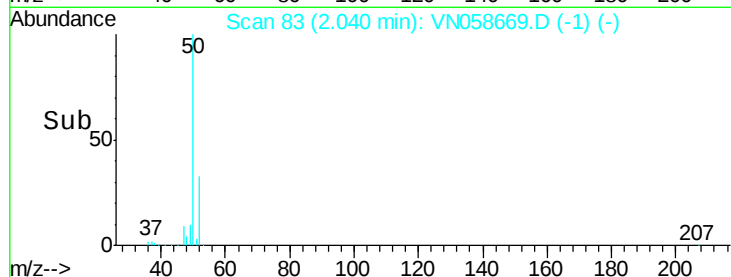
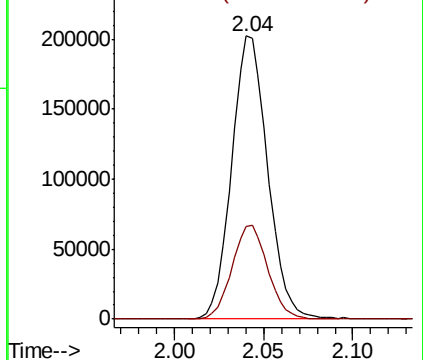
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 54.125 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058669.D

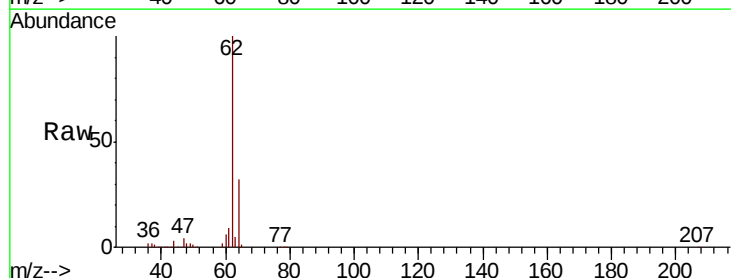
Acq: 10 Oct 2019 17:06

Tgt Ion: 62 Resp: 290575

Ion Ratio Lower Upper

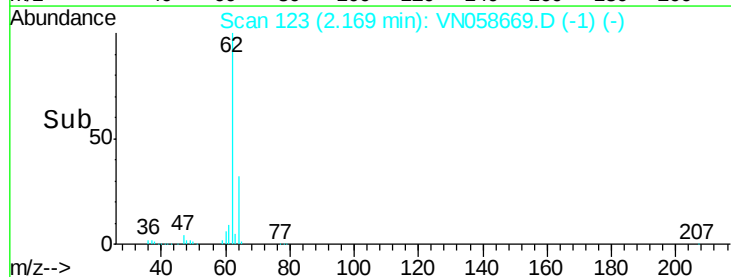
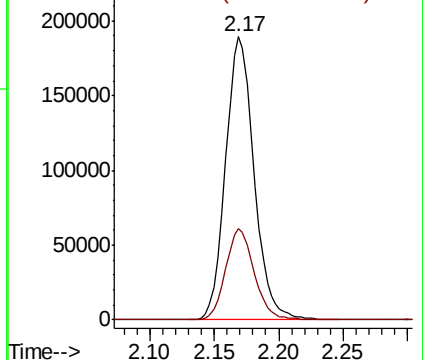
62 100

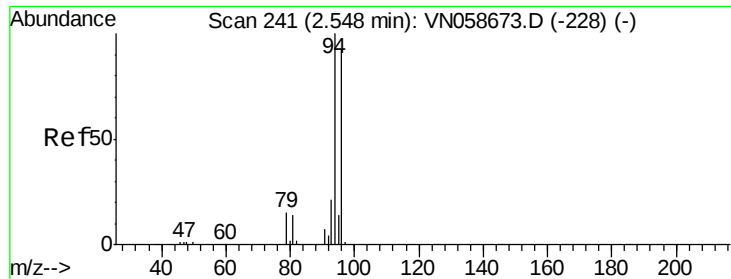
64 32.3 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 57.282 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 175333

Ion Ratio Lower Upper

94 100

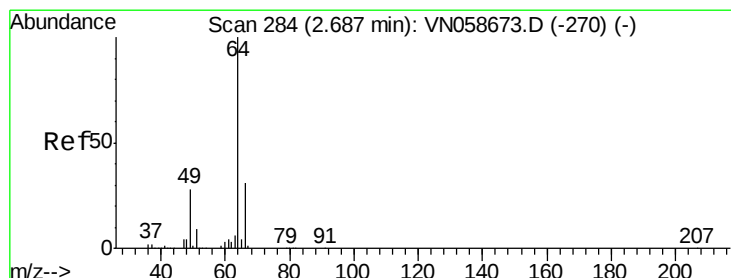
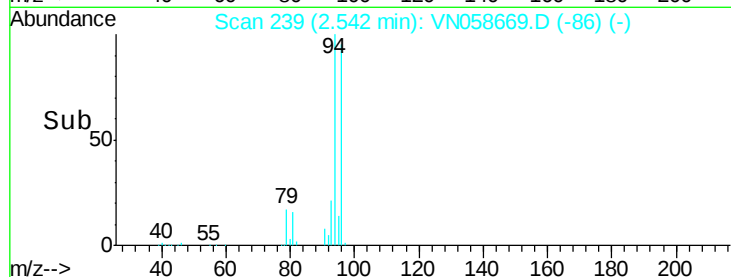
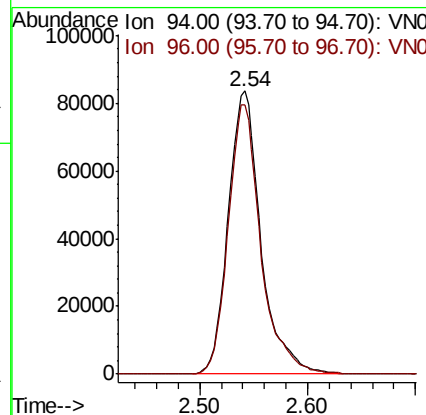
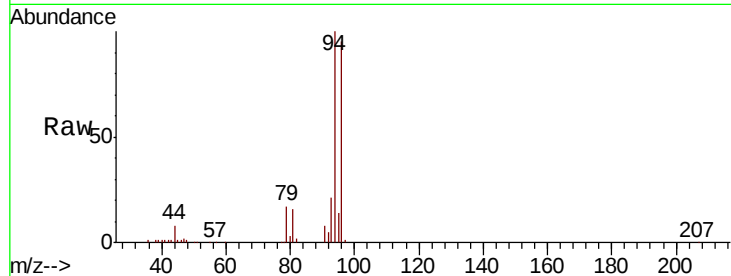
96 95.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 56.774 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058669.D

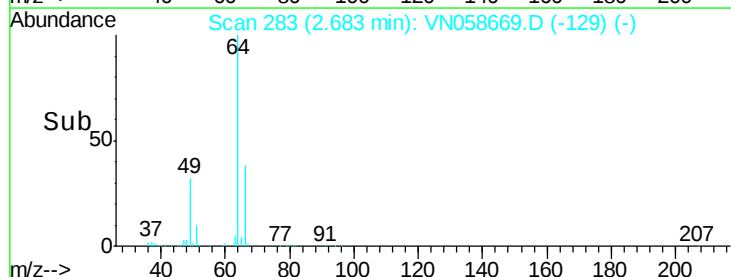
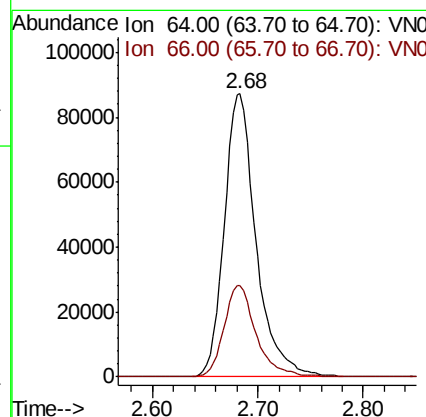
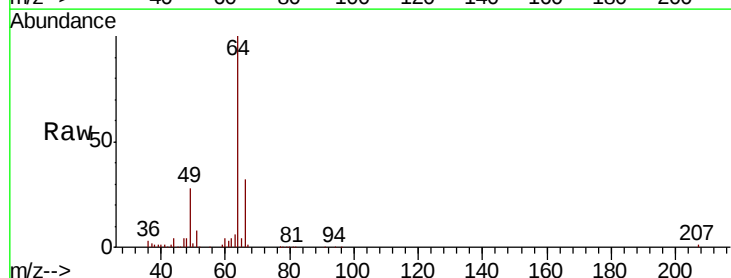
Acq: 10 Oct 2019 17:06

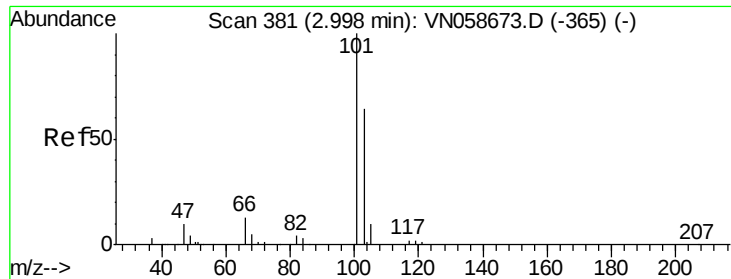
Tgt Ion: 64 Resp: 181817

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8





#7

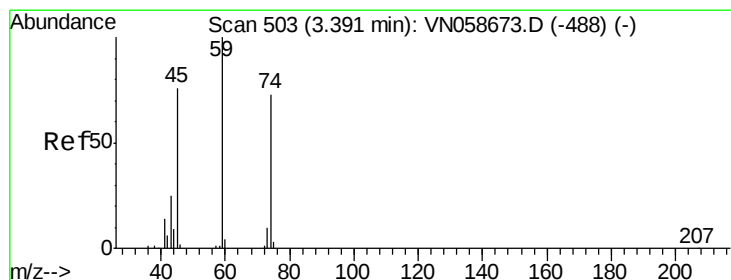
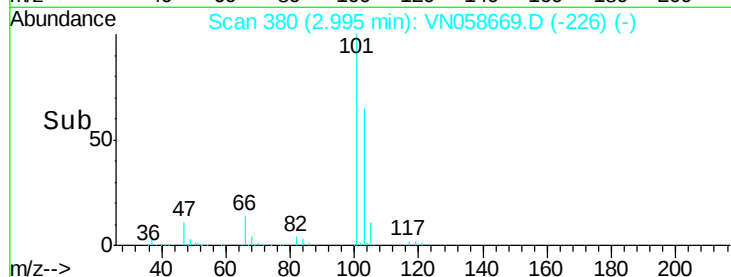
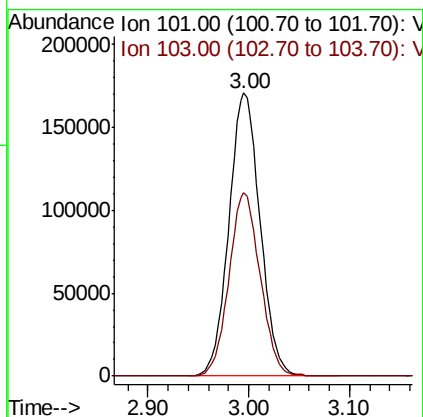
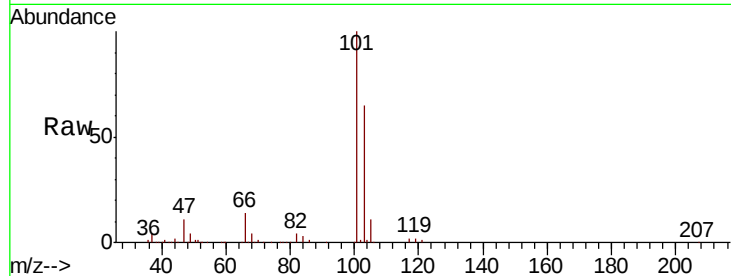
Trichlorofluoromethane
 Concen: 57.871 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
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 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.5	77.3

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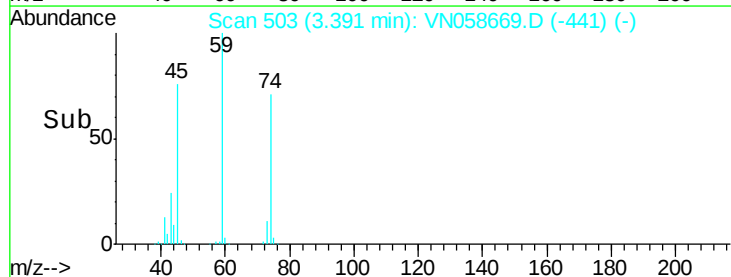
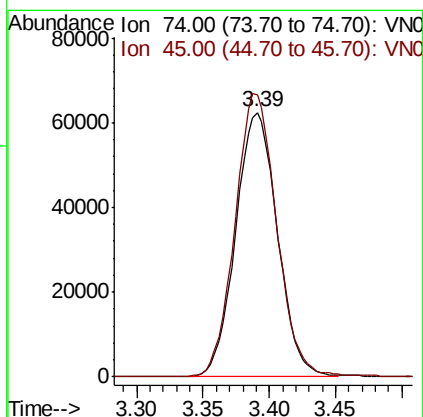
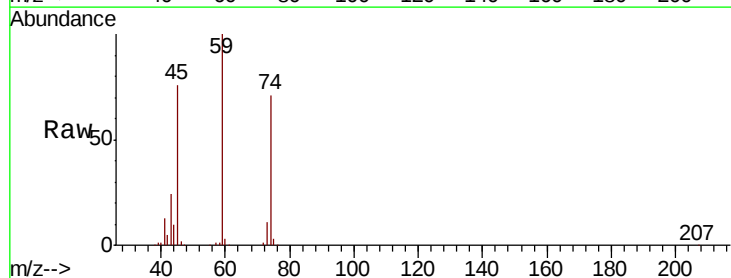
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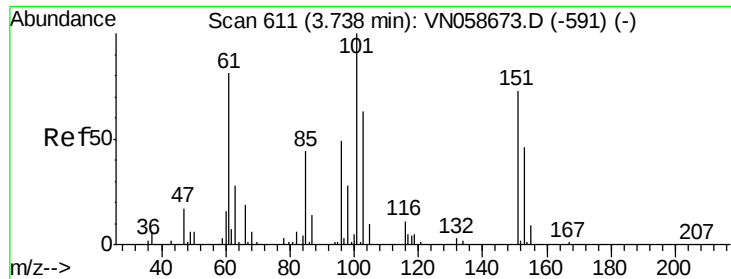


#8

Diethyl Ether
 Concen: 49.743 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.186 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

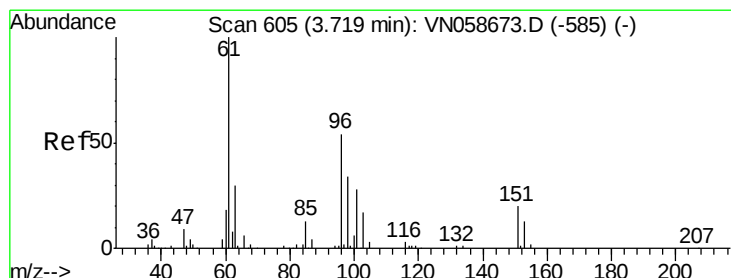
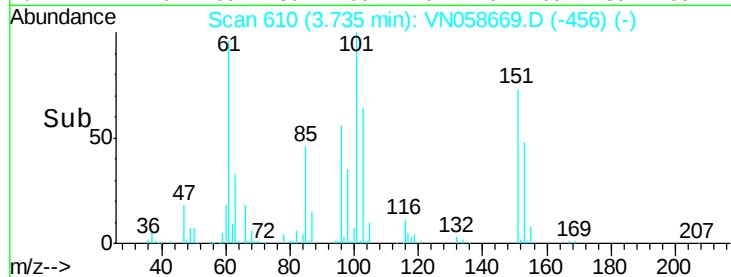
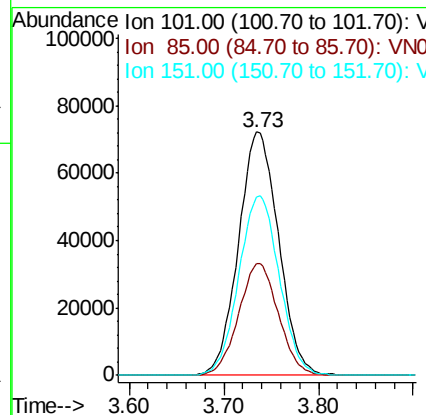
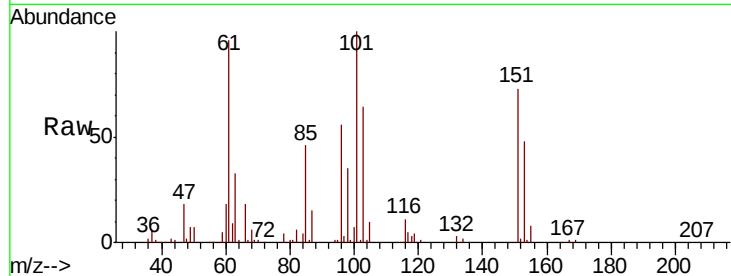
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	212479
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	93.8
151	74.6	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 49.100 ug/l

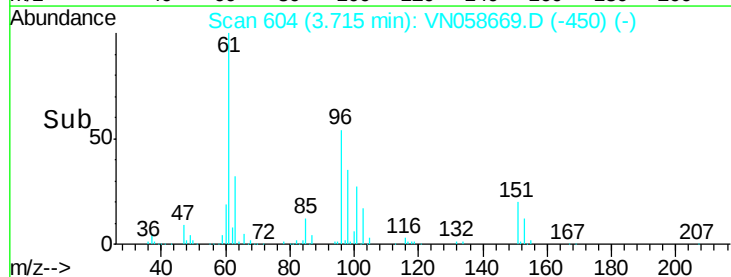
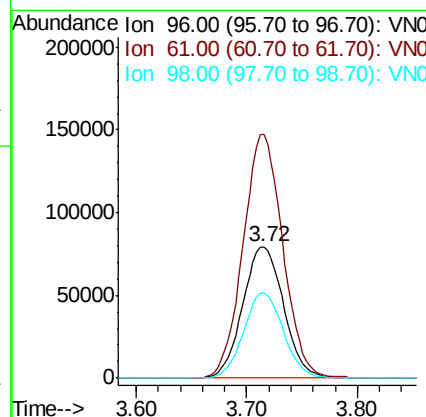
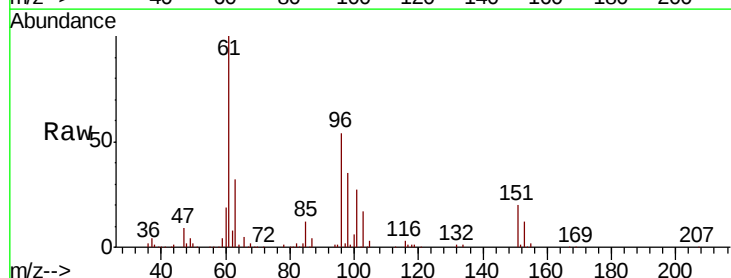
RT: 3.72 min Scan# 604

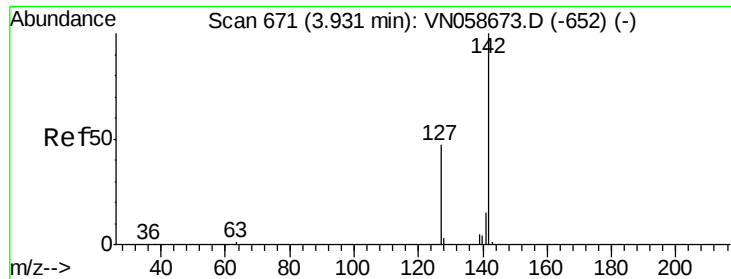
Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Tgt Ion:	96	Resp:	203593
Ion Ratio	Lower	Upper	
96	100		
61	185.8	148.5	222.7
98	64.8	51.0	76.6





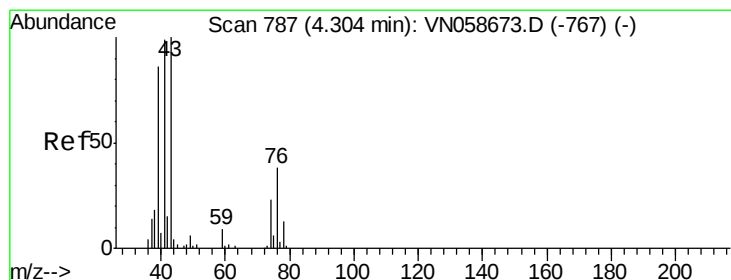
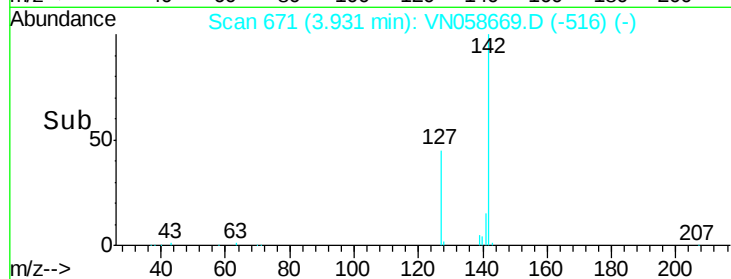
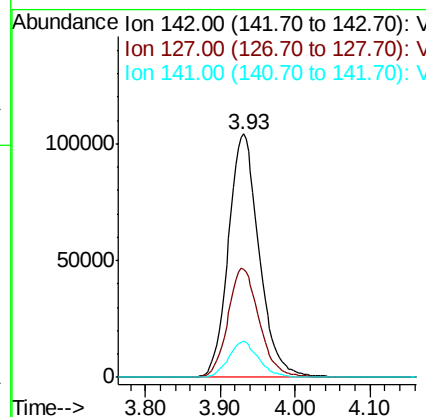
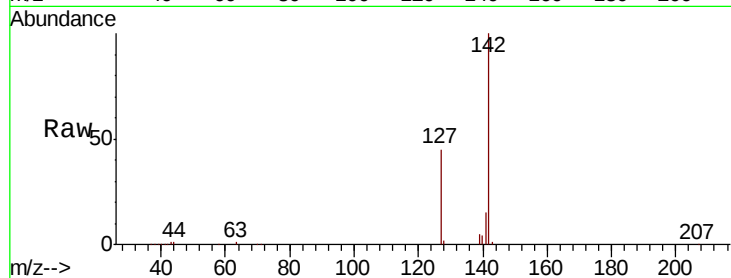
#11
Methyl Iodide
Concen: 64.274 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	23.5	70.6
141	15.0	7.4	22.2

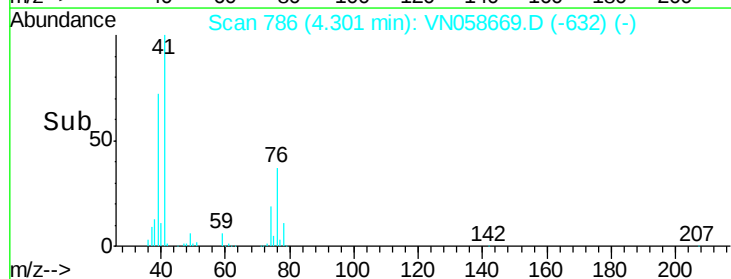
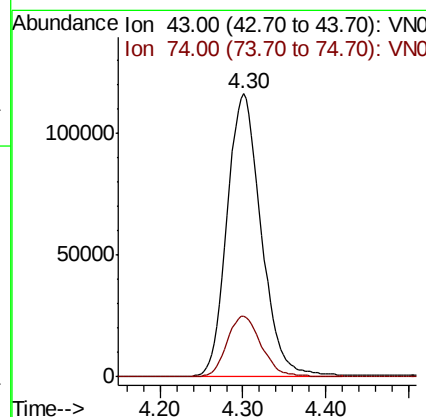
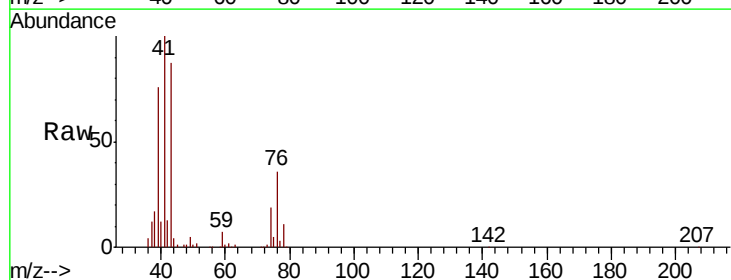
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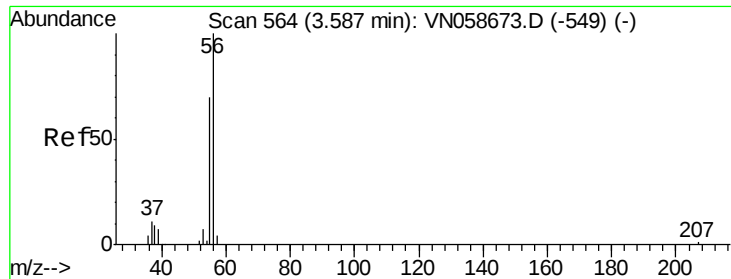
MMDadoda
10/11/2019 2:47:47 PM



#12
Methyl Acetate
Concen: 57.302 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	18.1	27.1





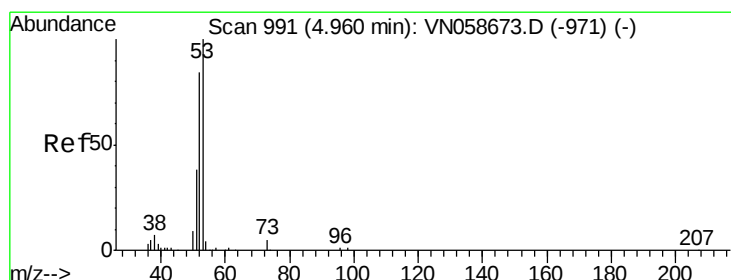
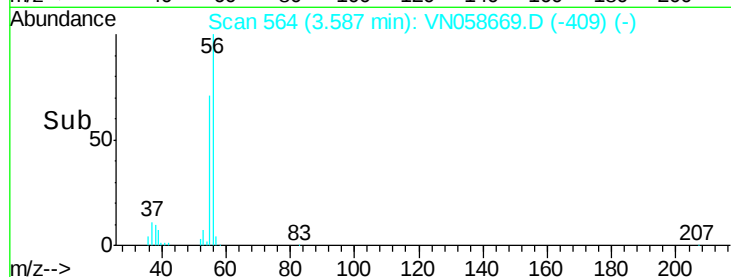
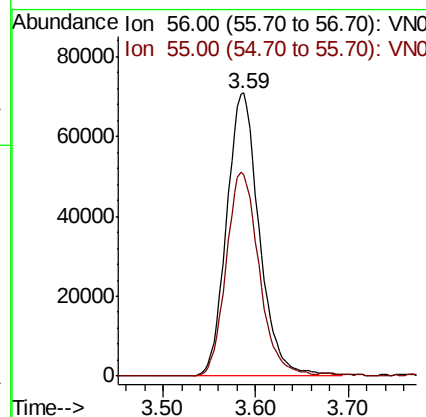
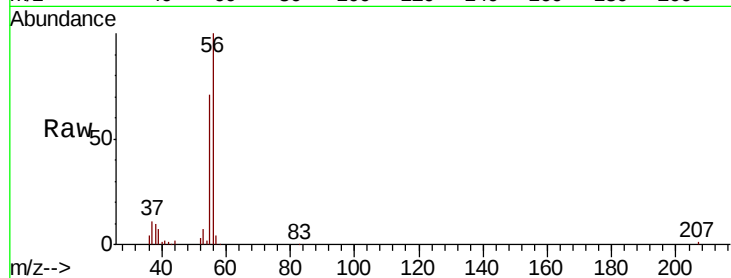
#13
Acrolein
Concen: 666.156 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	56	Resp	173504
Ion Ratio	100	Lower	Upper
55	72.6	55.9	83.9

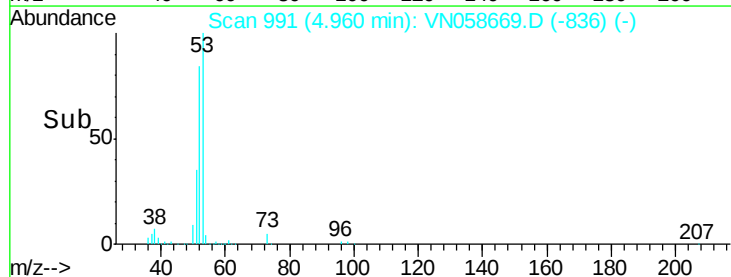
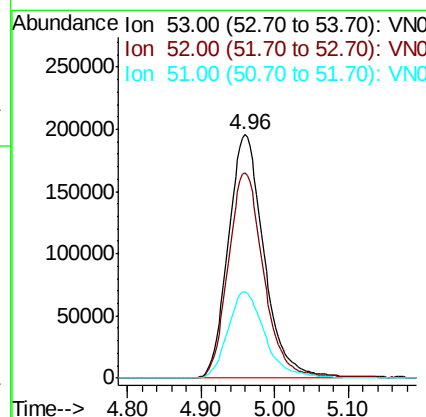
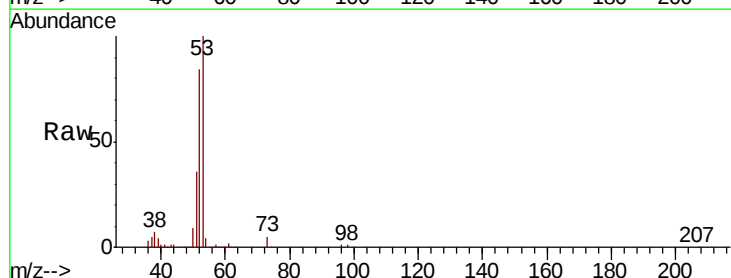
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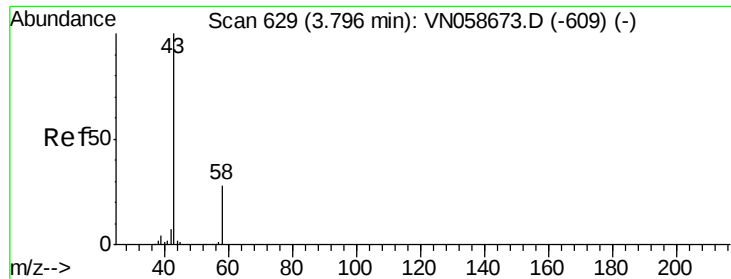
MMDadoda
10/11/2019 2:47:47 PM



#14
Acrylonitrile
Concen: 283.323 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	53	Resp	660404
Ion Ratio	100	Lower	Upper
52	83.9	42.2	126.6
51	36.9	18.8	56.4





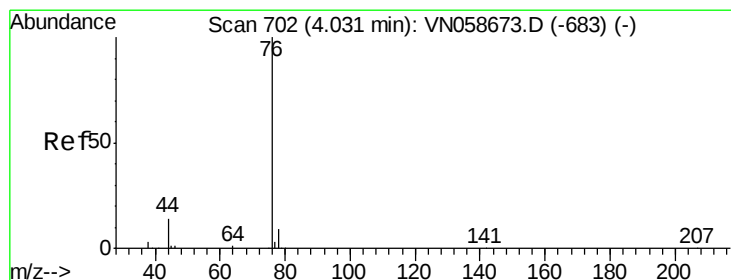
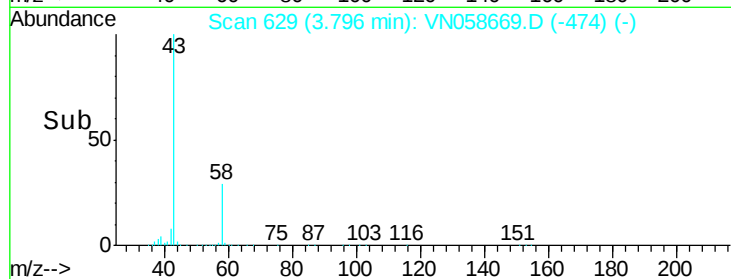
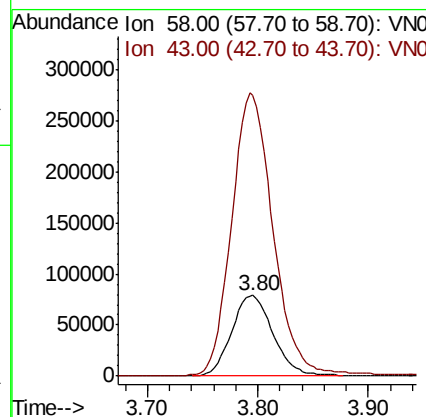
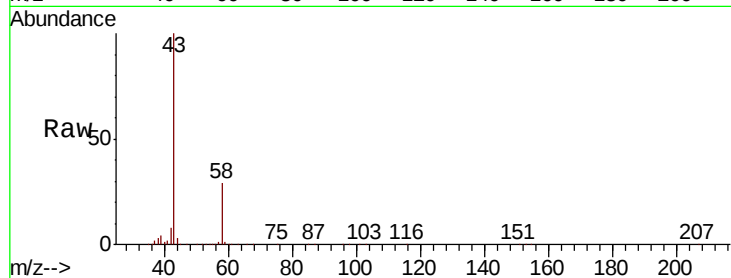
#15
Acetone
Concen: 320.096 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 58 Resp: 206560
Ion Ratio Lower Upper
58 100
43 346.3 281.7 422.5

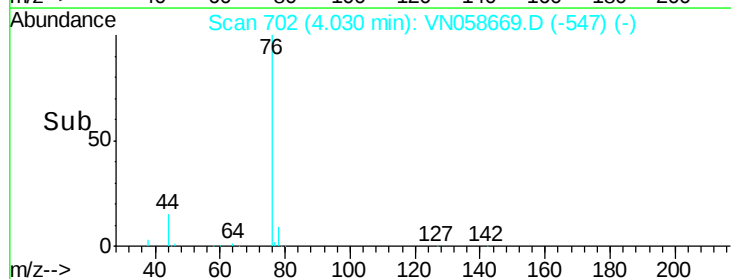
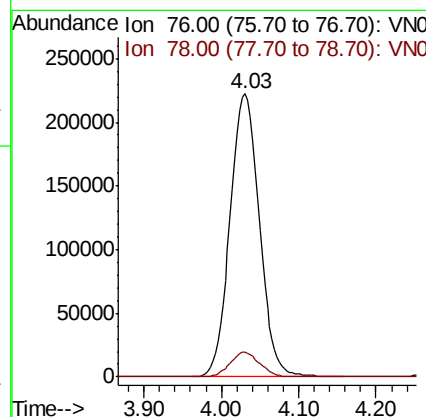
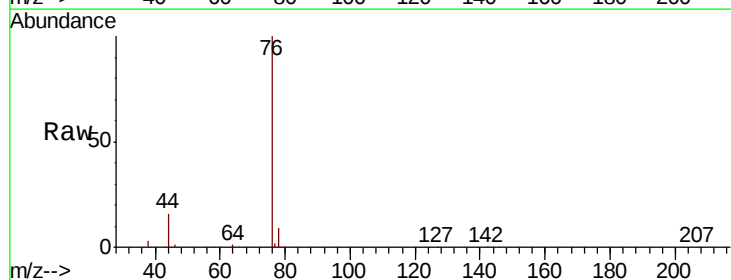
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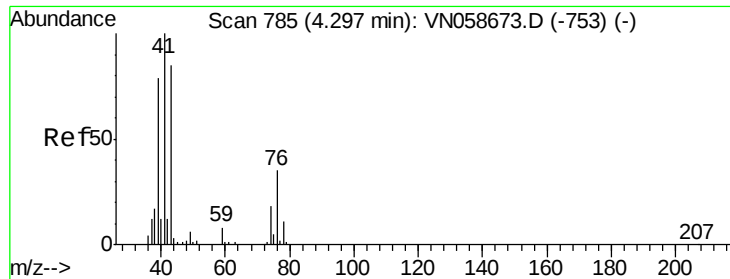
MMDadoda
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#16
Carbon Disulfide
Concen: 49.726 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 76 Resp: 586401
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0





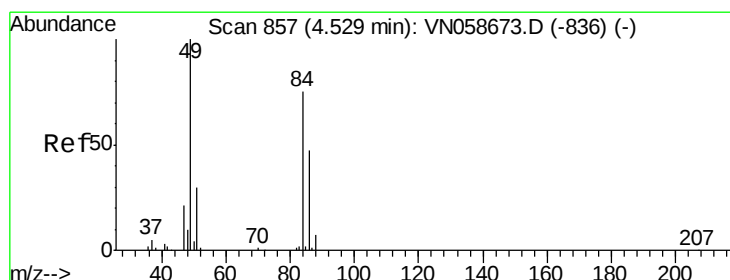
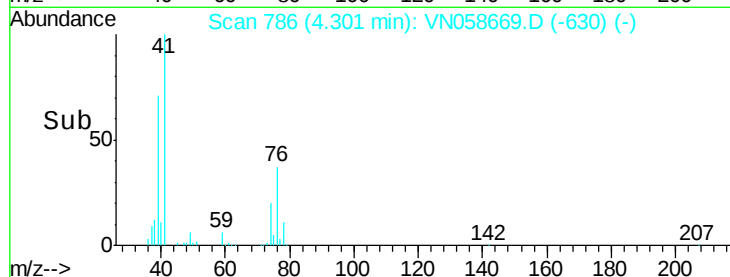
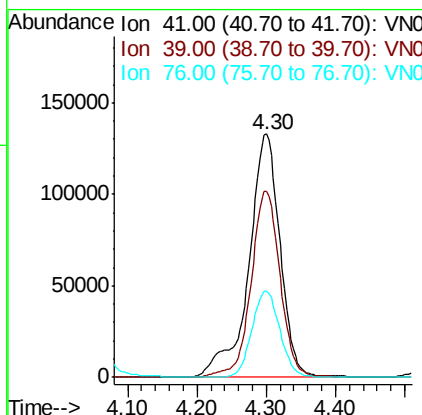
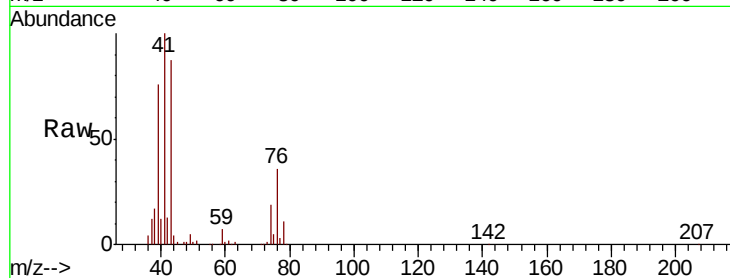
#17
Allvl chloride
Concen: 53.039 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	39.6	118.8
76	35.4	17.6	52.9

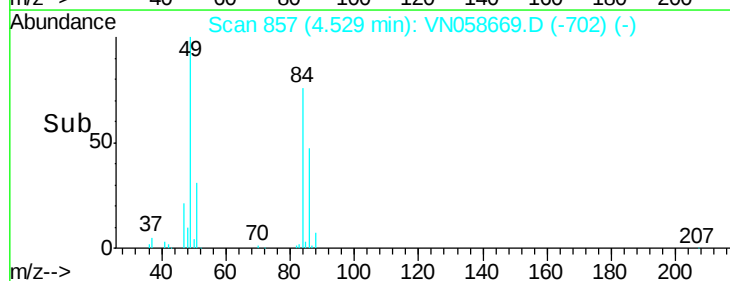
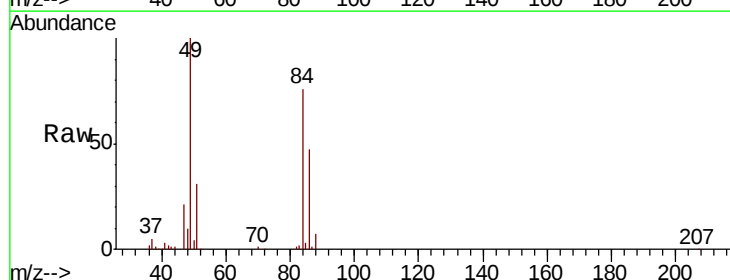
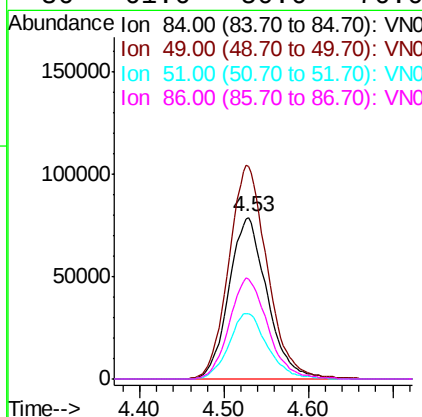
Manual Integrations
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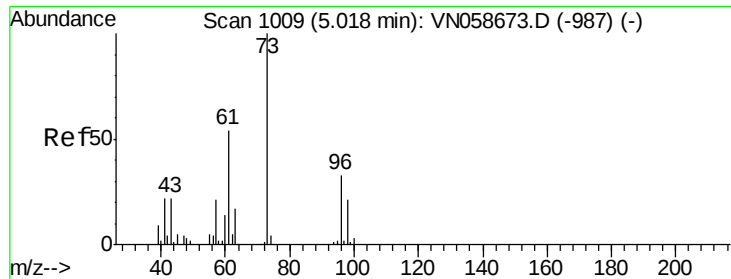
MMDadoda
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#18
Methylene Chloride
Concen: 50.684 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.6	106.6	160.0
51	40.6	32.4	48.6
86	61.6	50.6	76.0





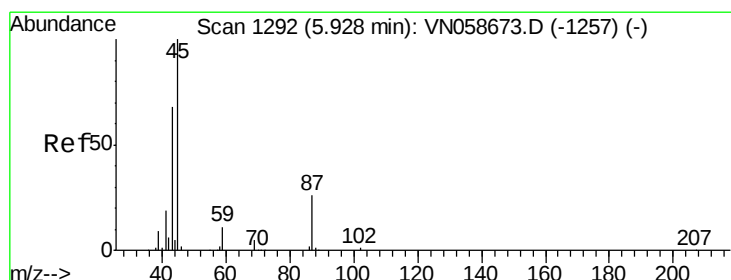
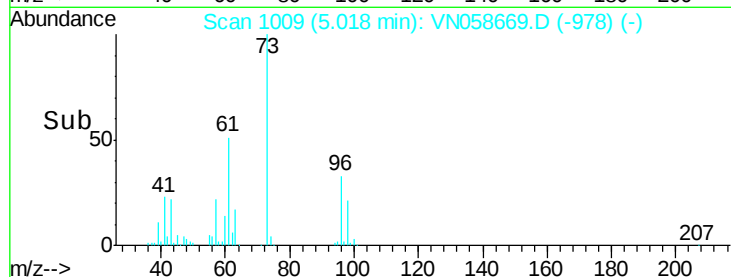
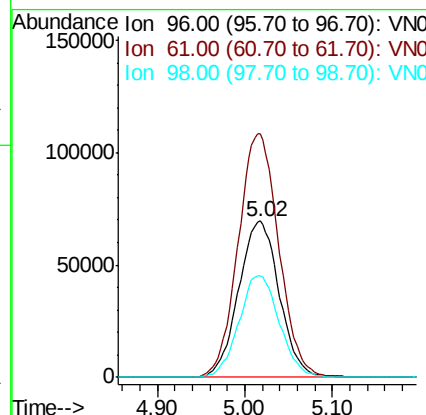
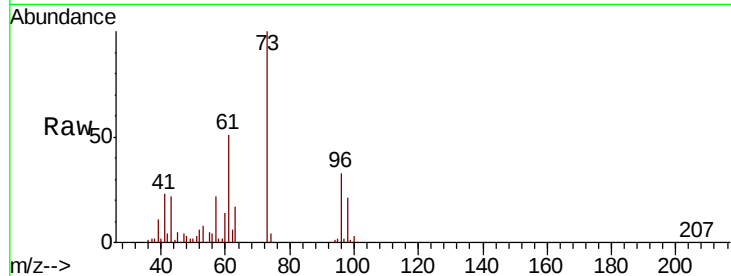
#19
trans-1,2-Dichloroethene
Concen: 48.379 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	131.8	197.6
98	65.1	52.6	79.0

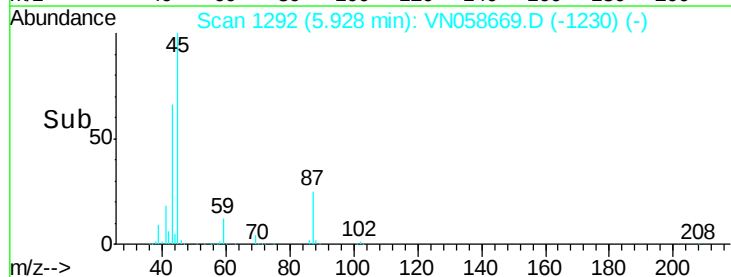
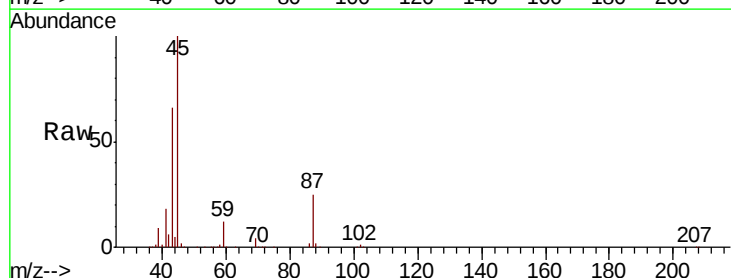
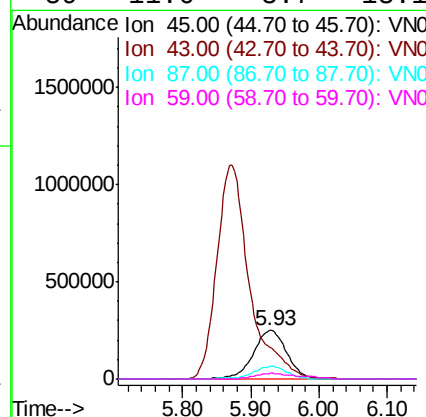
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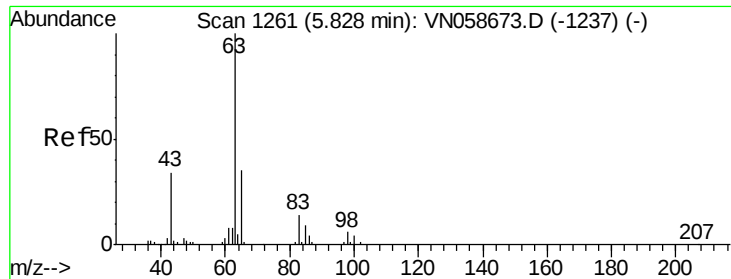
MMDadoda
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#20
Diisopropyl ether
Concen: 51.188 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	54.7	82.1
87	25.4	21.5	32.3
59	11.6	8.7	13.1





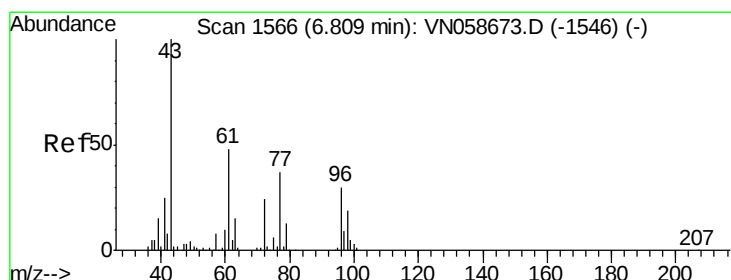
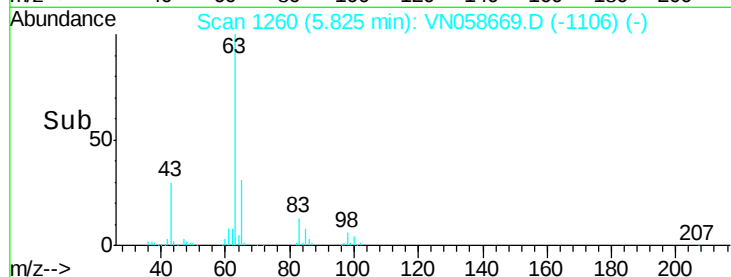
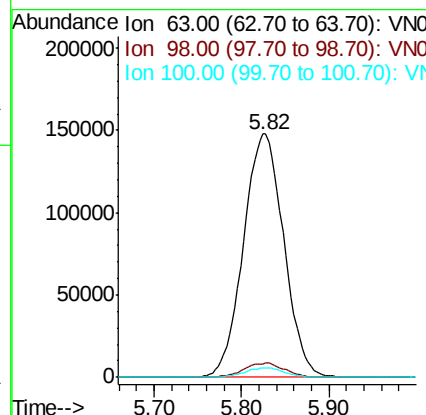
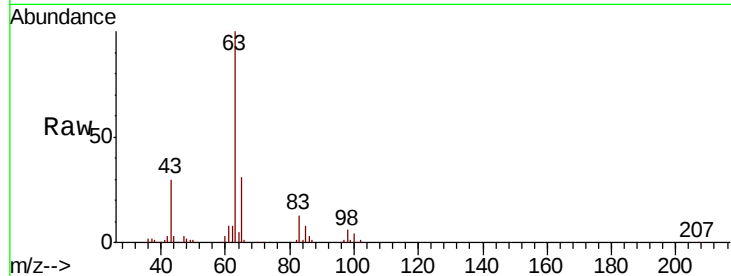
#21
 1,1-Dichloroethane
 Concen: 51.066 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.6	2.9	8.6
100	3.9	1.8	5.5

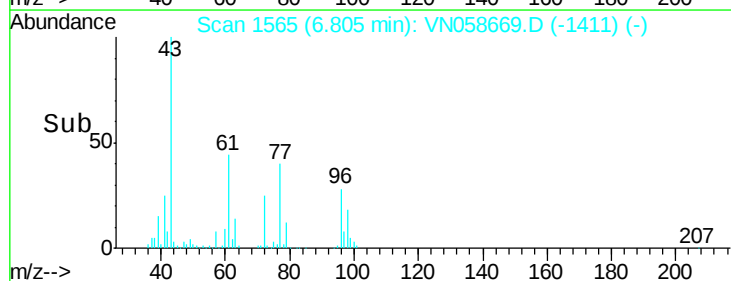
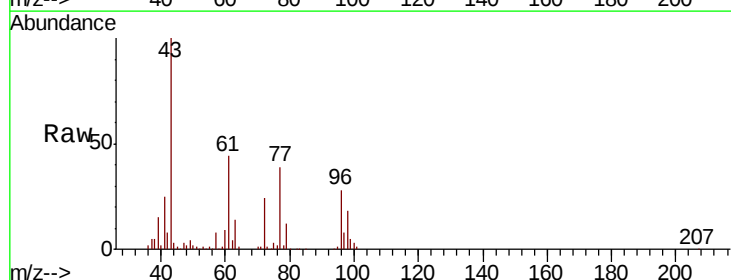
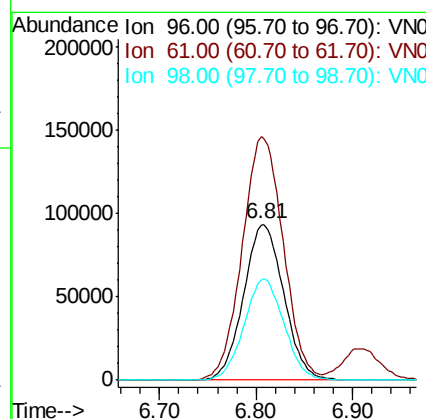
Manual Integrations
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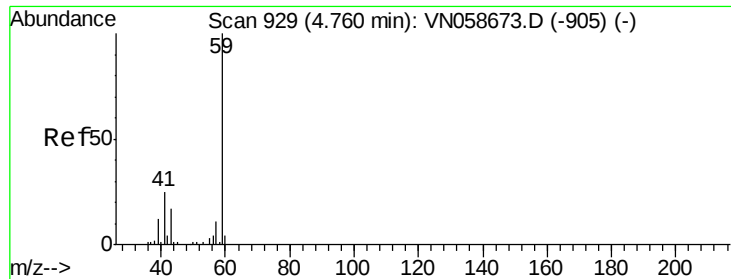
MMDadoda
 10/11/2019 2:47:47 PM



#22
 cis-1,2-Dichloroethene
 Concen: 50.073 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.7	127.2	190.8
98	64.7	50.5	75.7





#23

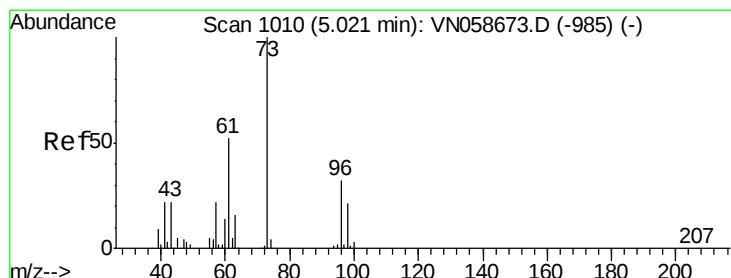
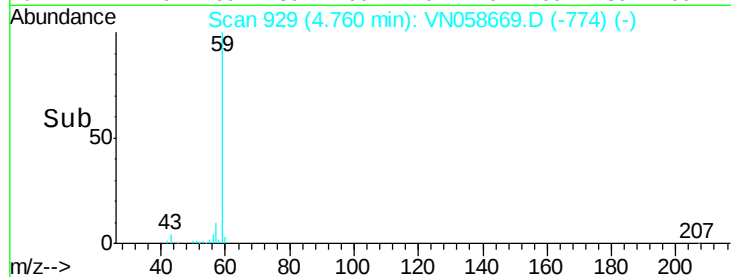
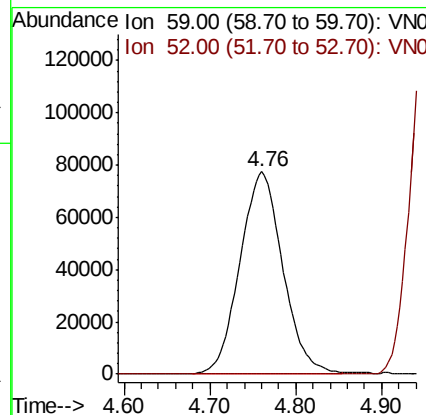
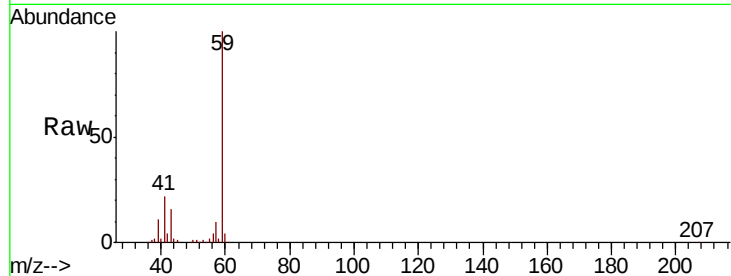
tert-Butyl Alcohol
Concen: 303.758 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	268438
Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
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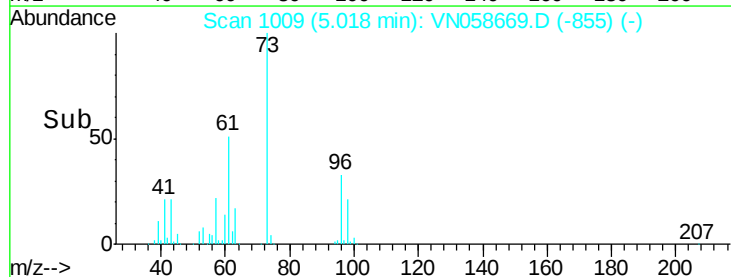
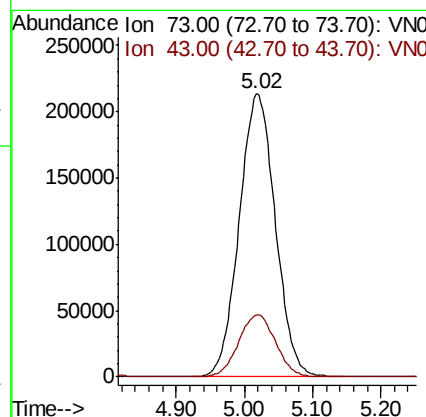
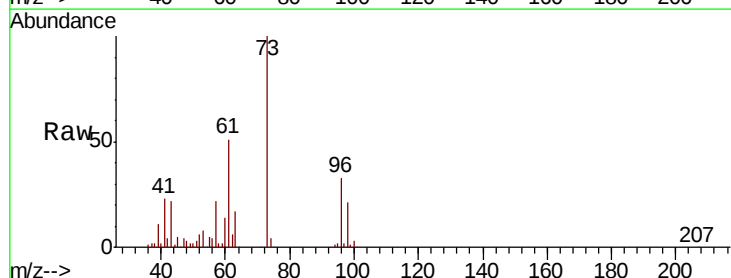
MMDadoda
10/11/2019 2:47:47 PM

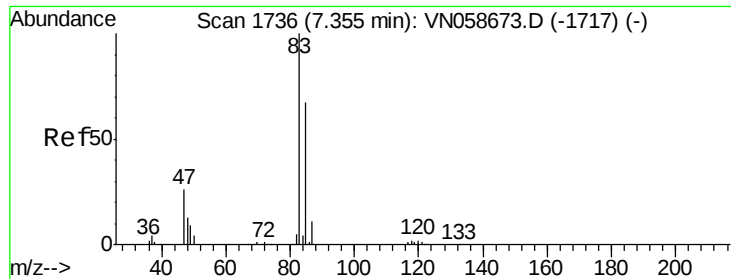


#24

Methyl tert-Butyl Ether
Concen: 52.296 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	73.00 (72.70 to 73.70): VN0	Resp	784522
Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.9	26.9





#25

Chloroform

Concen: 50.282 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 470923

Ion Ratio Lower Upper

83 100

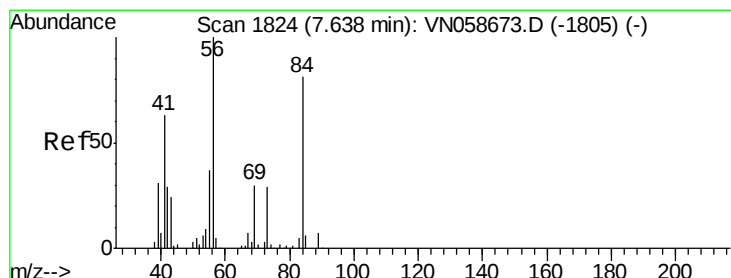
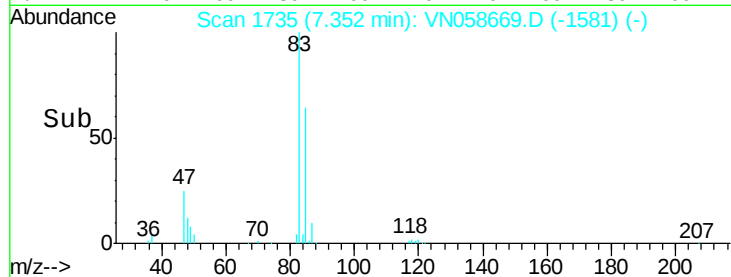
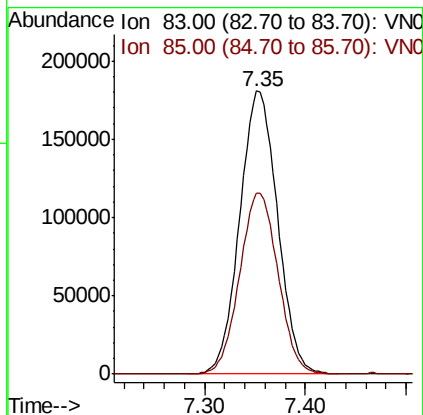
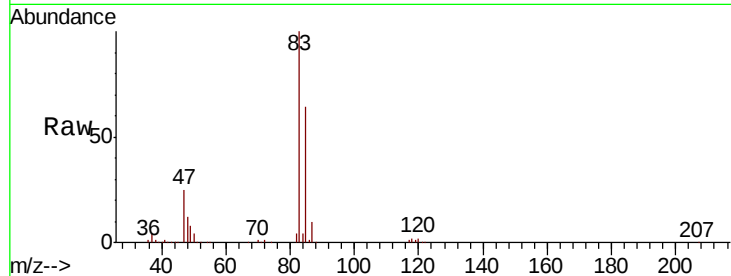
85 63.9 53.8 80.8

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#26

Cyclohexane

Concen: 48.933 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

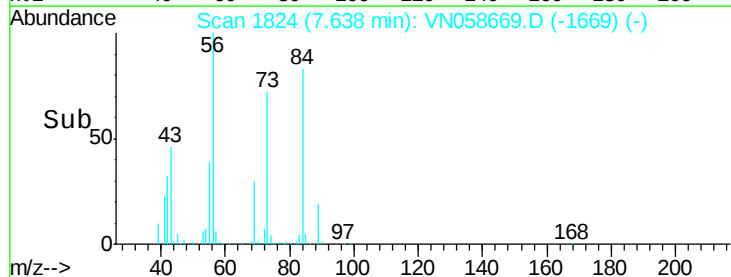
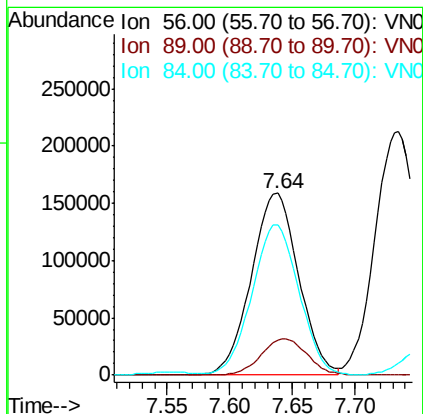
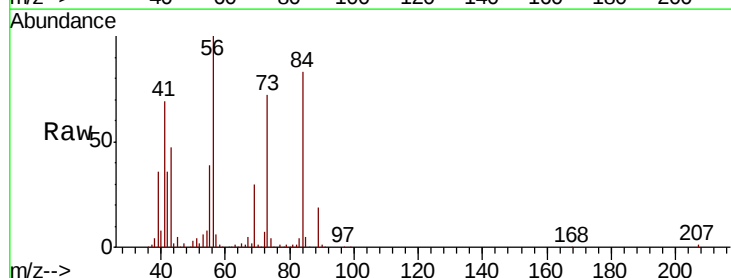
Tgt Ion: 56 Resp: 417514

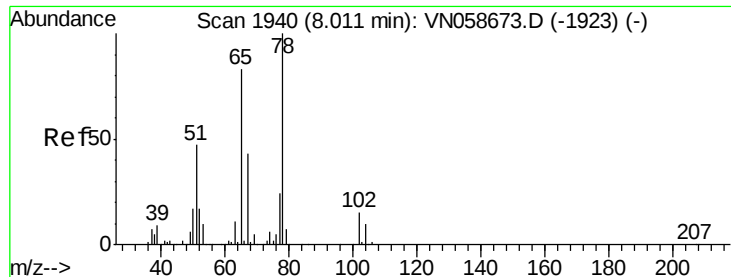
Ion Ratio Lower Upper

56 100

89 19.5 6.2 9.2#

84 81.4 65.6 98.4





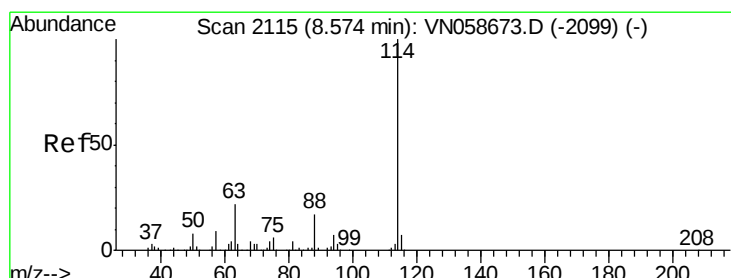
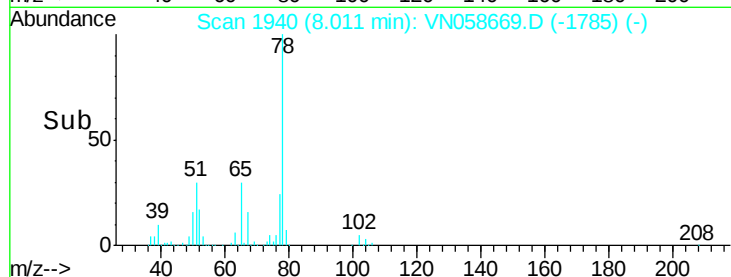
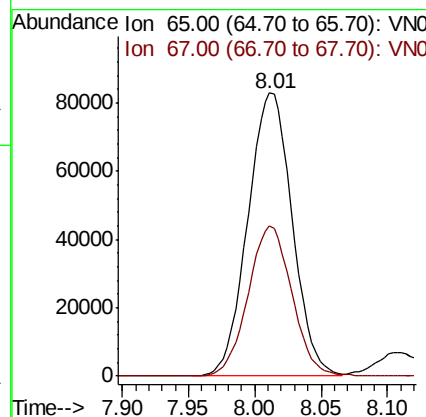
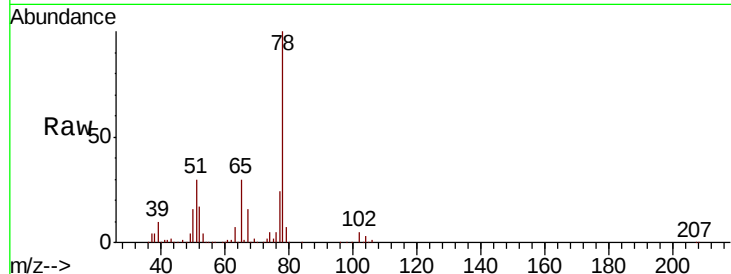
#27
 1,2-Dichloroethane-d4
 Concen: 29.155 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.5	62.3

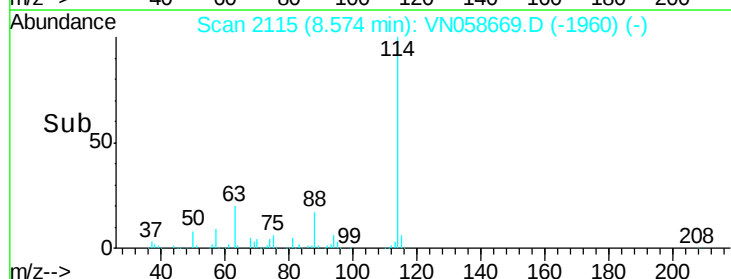
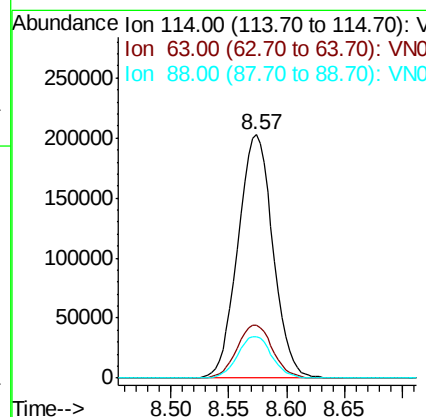
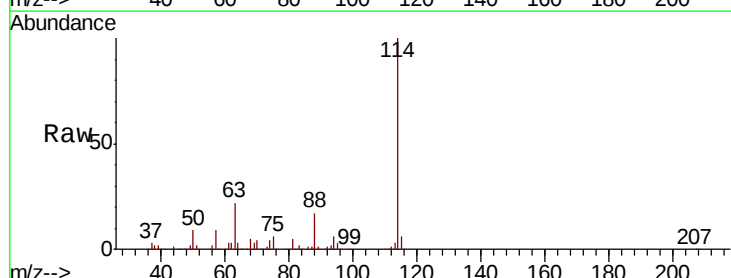
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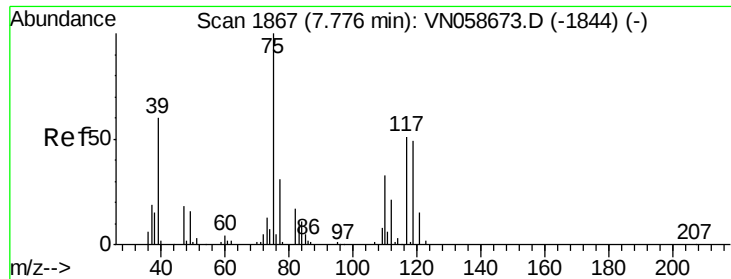
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	18.1	27.1
88	16.7	13.0	19.4





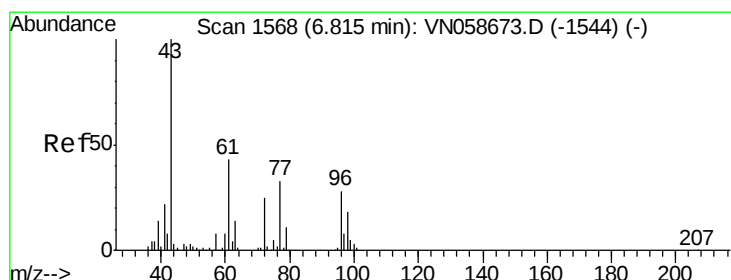
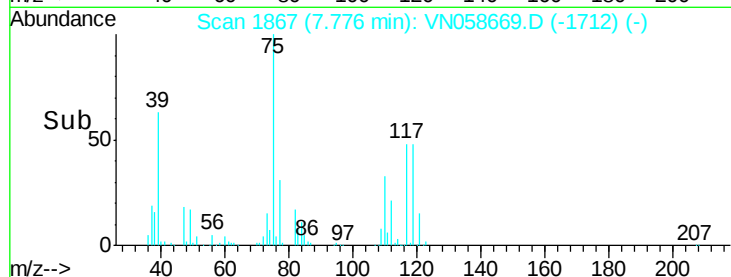
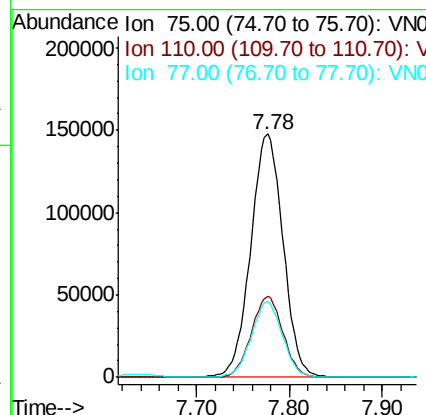
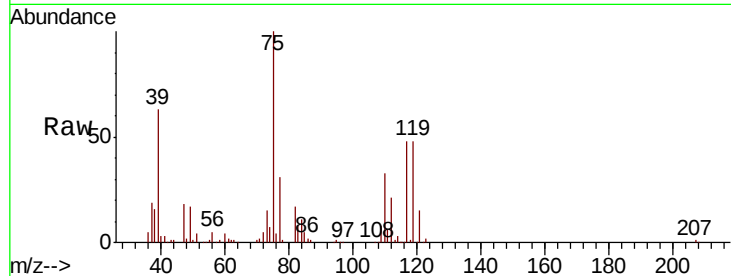
#29
 1,1-Dichloropropene
 Concen: 51.548 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.4	0.0	64.6
77	30.3	0.0	60.8

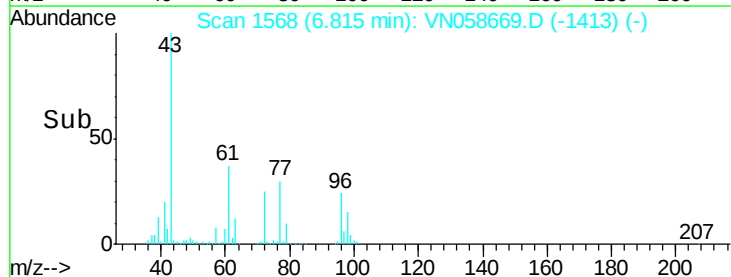
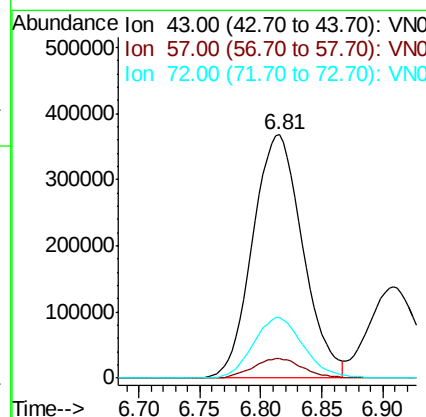
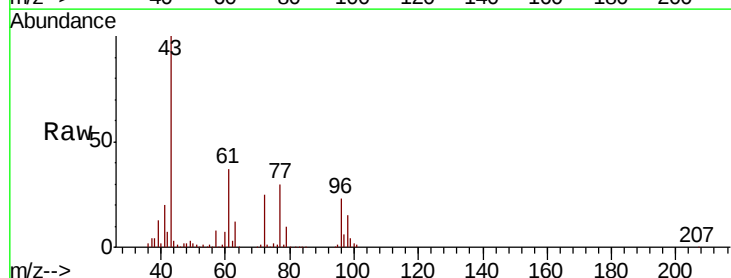
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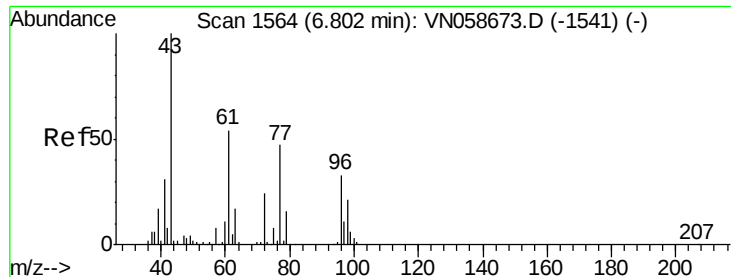
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#30
 2-Butanone
 Concen: 318.485 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.2	20.1	30.1





#31

2,2-Dichloropropane

Concen: 57.640 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 421369

Ion Ratio Lower Upper

77 100

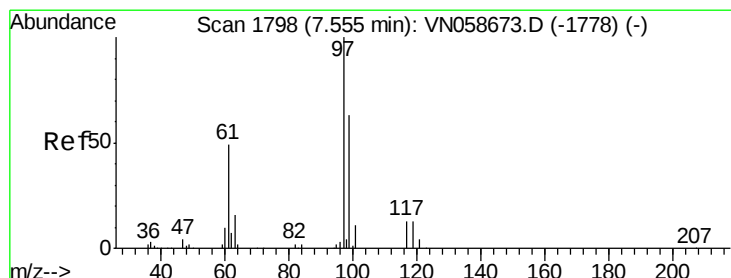
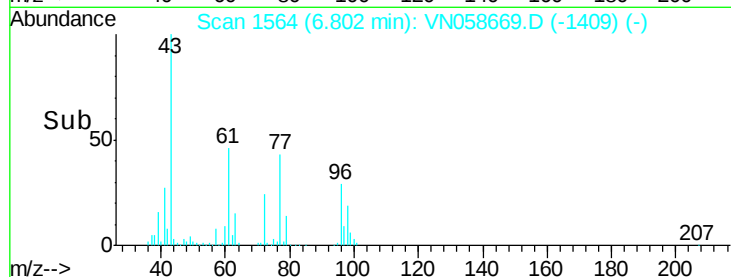
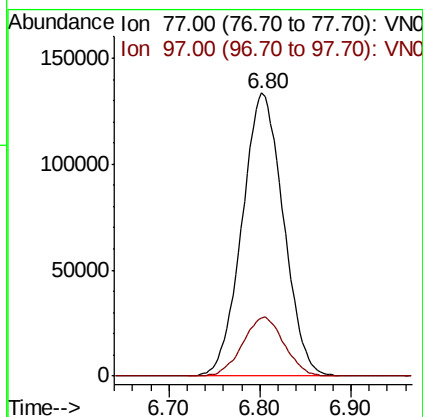
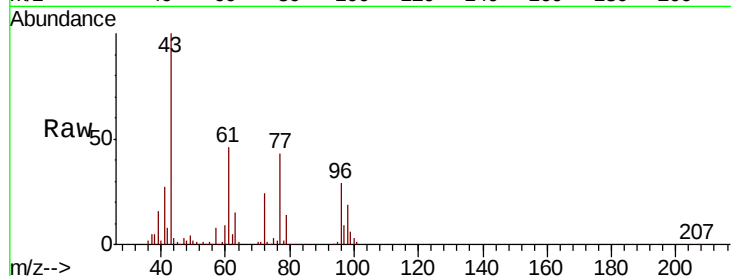
97 20.8 17.9 26.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 53.609 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

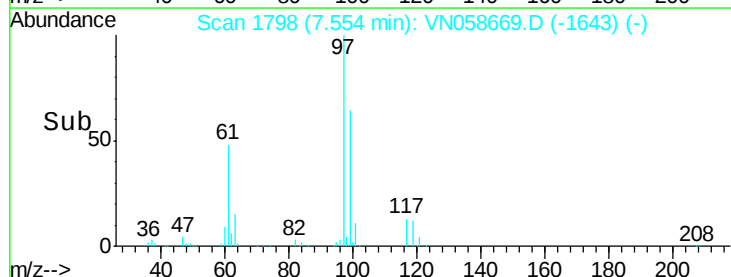
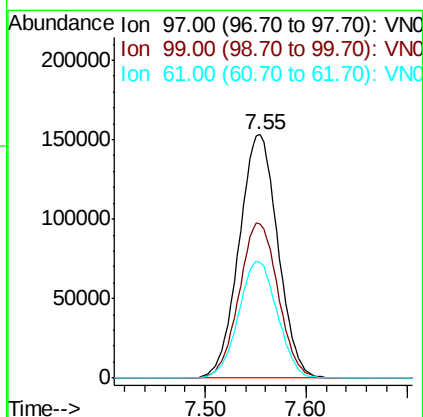
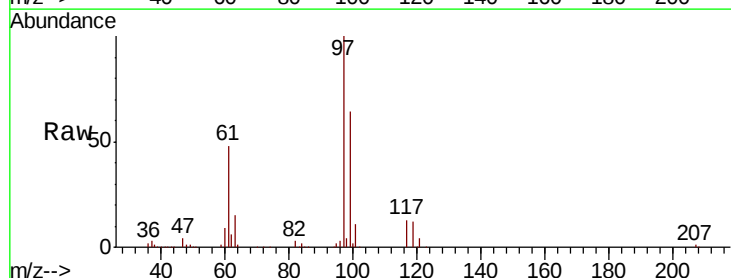
Tgt Ion: 97 Resp: 408784

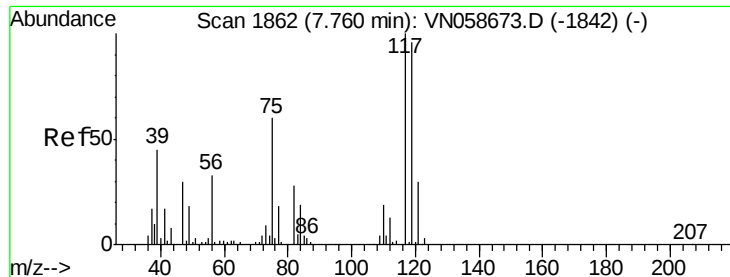
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 47.9 38.4 57.6





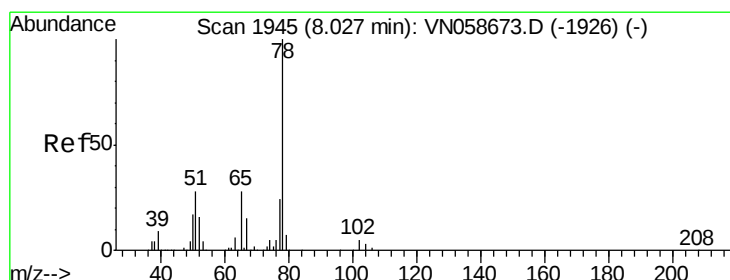
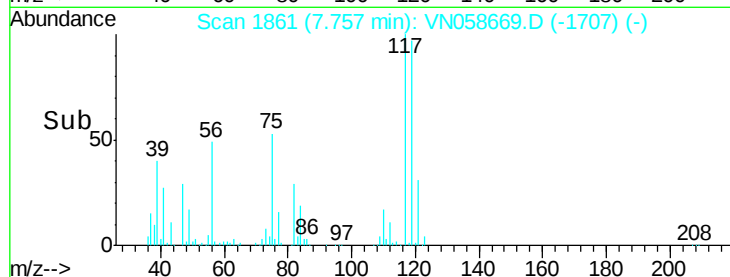
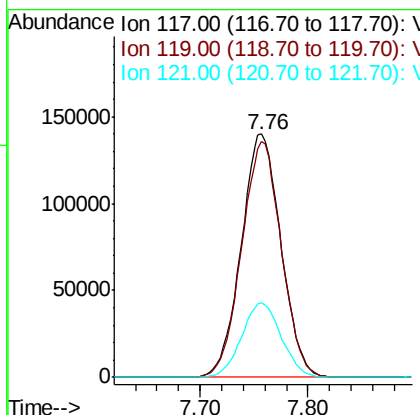
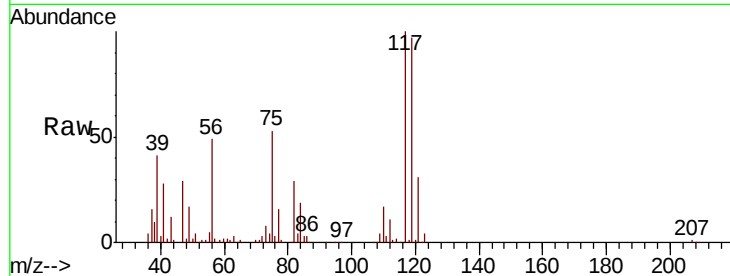
#33
Carbon Tetrachloride
Concen: 55.012 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.9	115.3
121	30.7	23.8	35.8

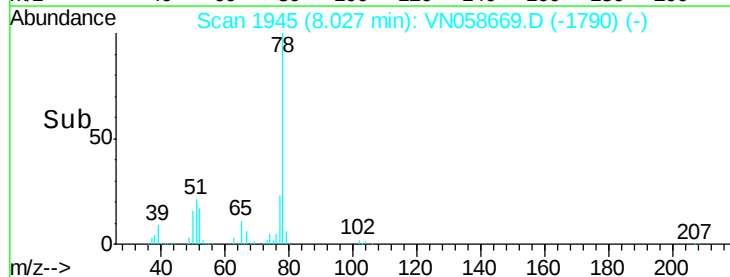
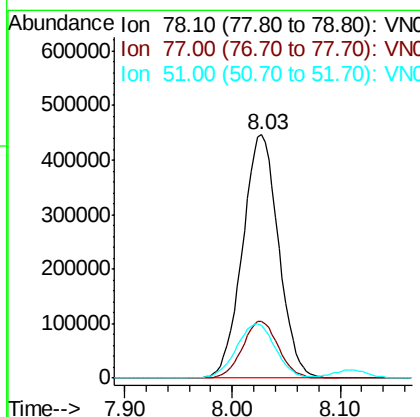
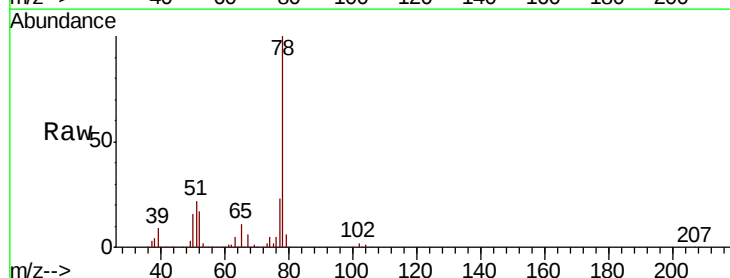
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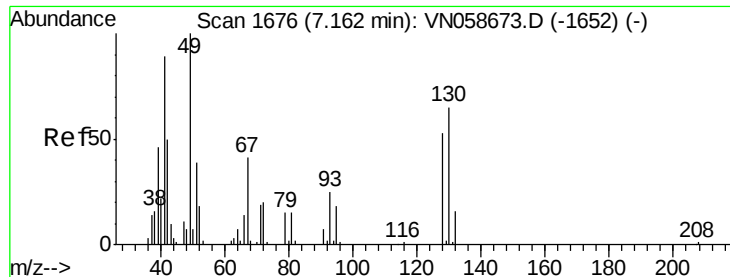
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#34
Benzene
Concen: 52.267 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8
51	21.5	22.1	33.1#





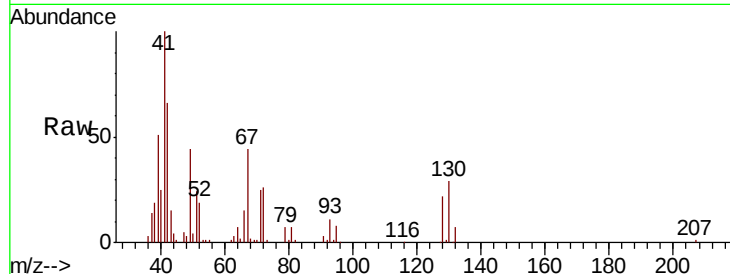
#35
Methacrylonitrile
Concen: 65.479 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	25.8	77.4
67	44.1	23.0	69.0
52	18.9	10.1	30.1

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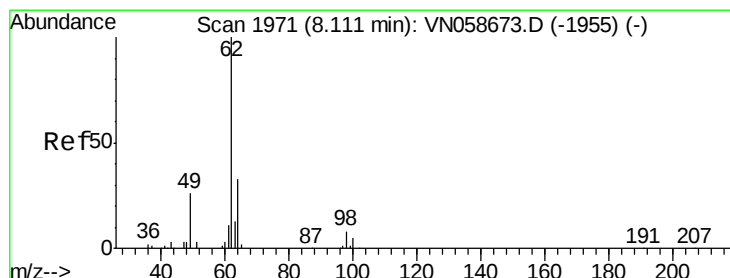
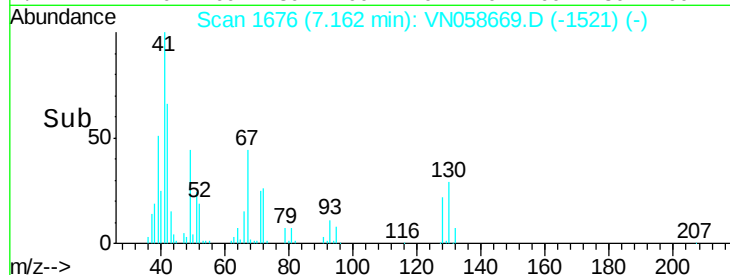
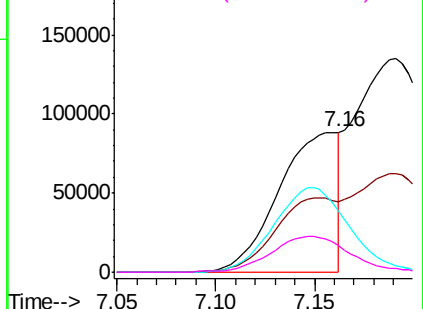
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

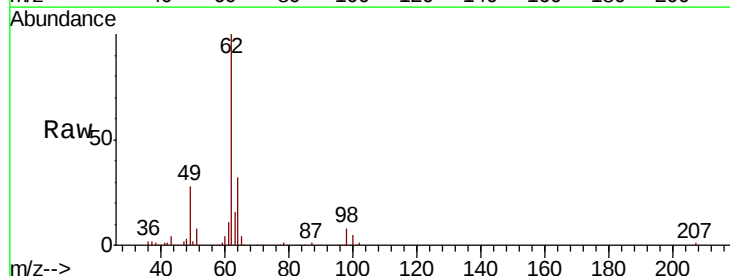
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 51.183 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

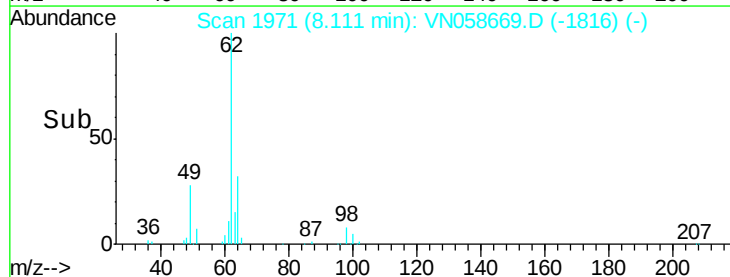
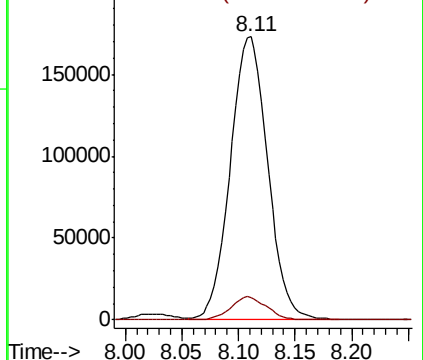
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.4	9.6

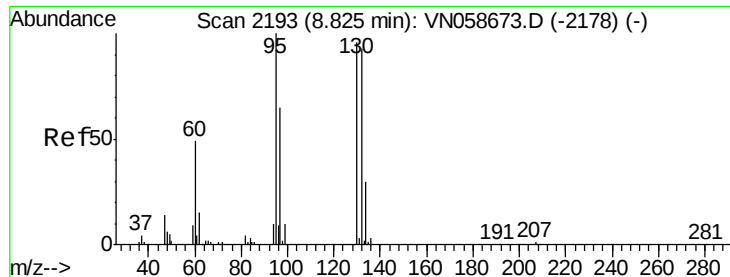


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





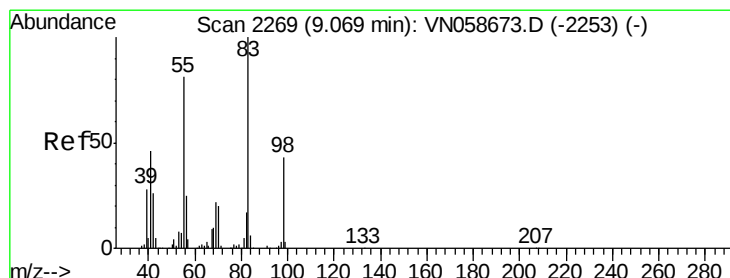
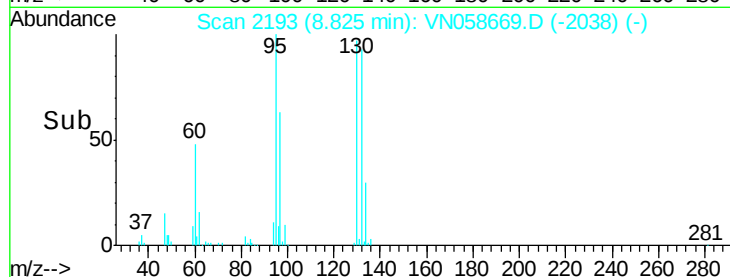
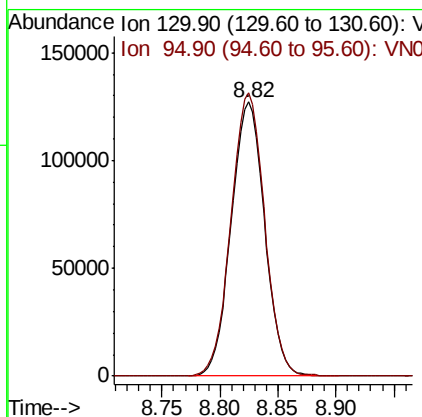
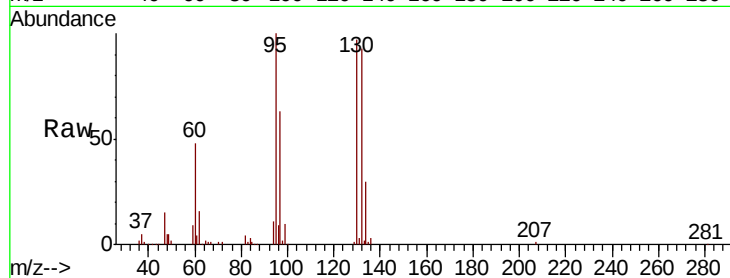
#37
 Trichloroethene
 Concen: 51.527 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 255209
 Ion Ratio Lower Upper
 130 100
 95 103.1 83.2 124.8

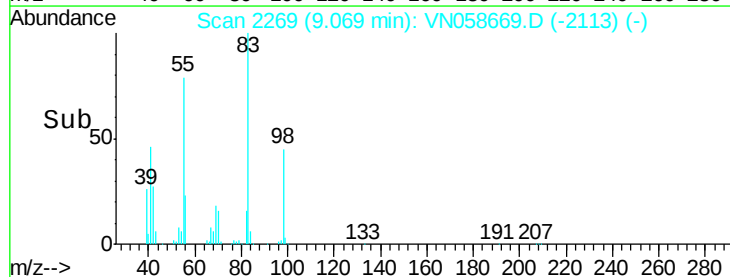
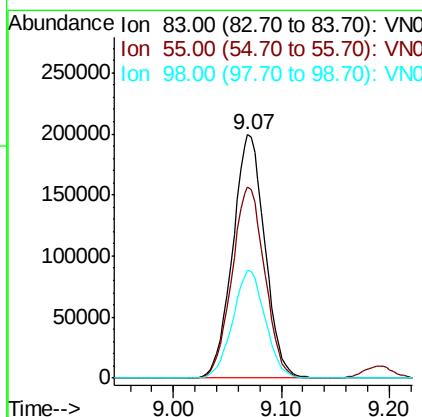
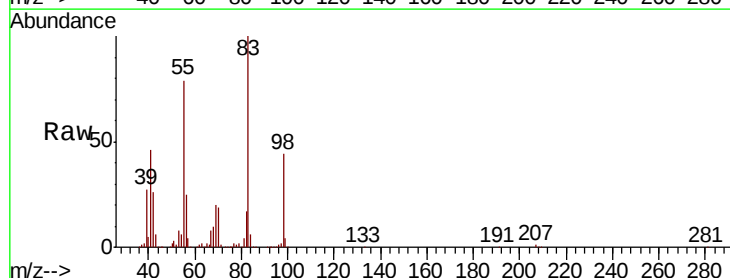
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#38
 Methylcyclohexane
 Concen: 49.613 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion: 83 Resp: 413989
 Ion Ratio Lower Upper
 83 100
 55 79.9 40.4 121.1
 98 44.7 21.6 65.0





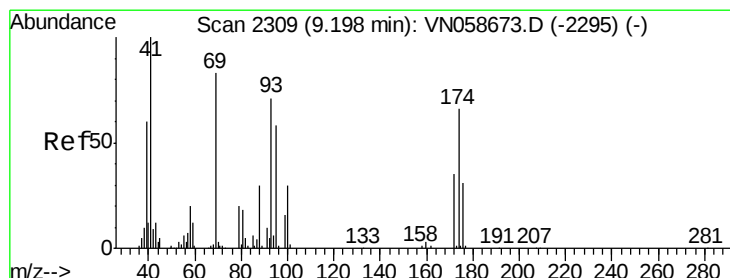
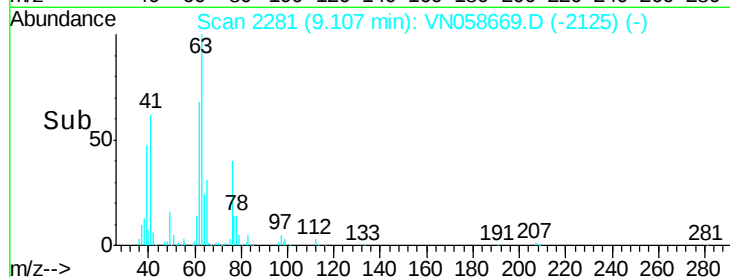
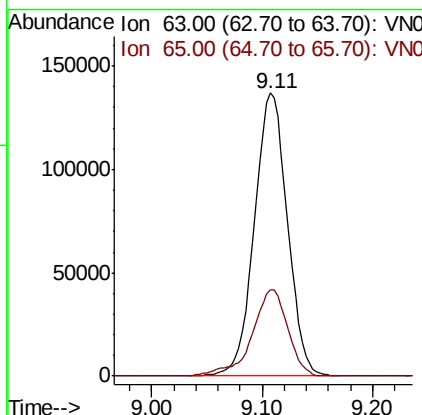
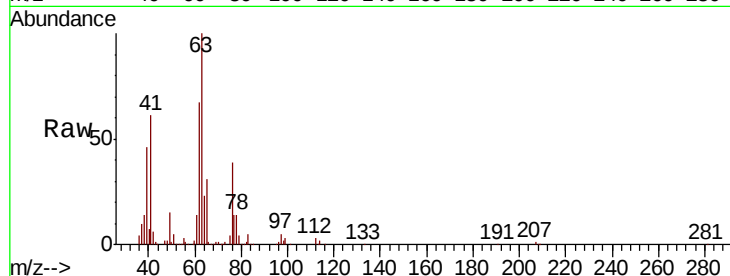
#39
 1,2-Dichloropropane
 Concen: 52.218 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.6

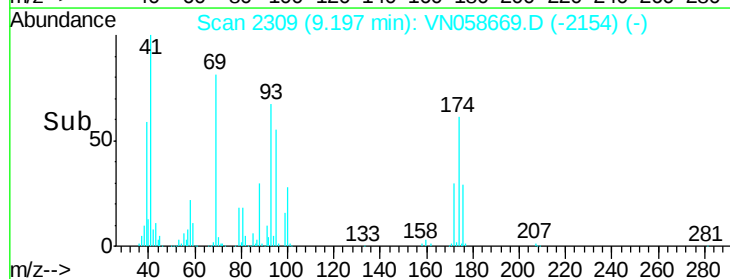
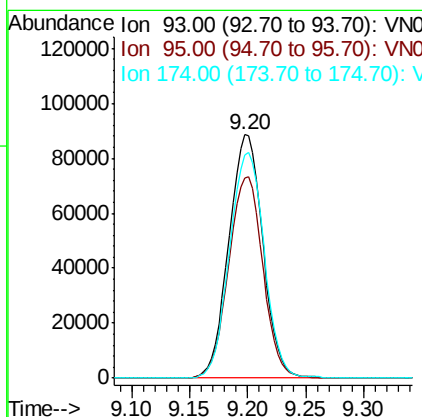
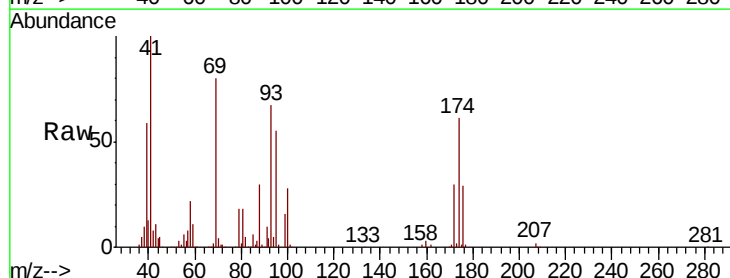
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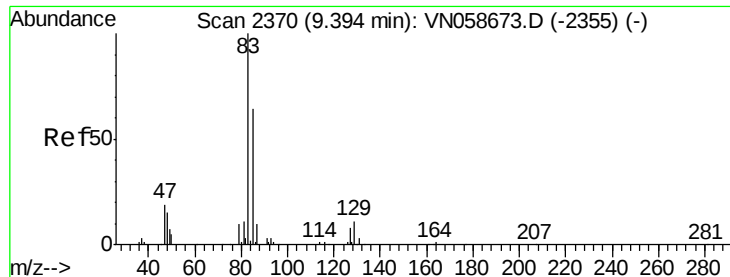
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#40
 Dibromomethane
 Concen: 52.531 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	167.6
174	94.7	0.0	187.2





#41

Bromodichloromethane

Concen: 53.950 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

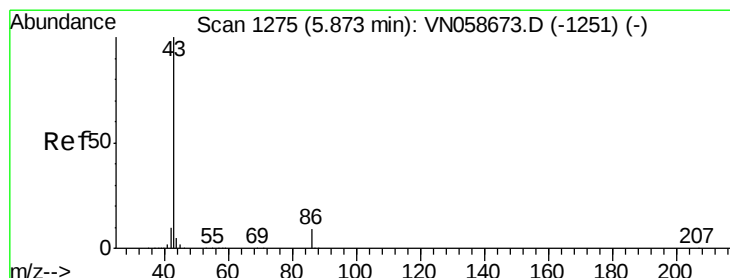
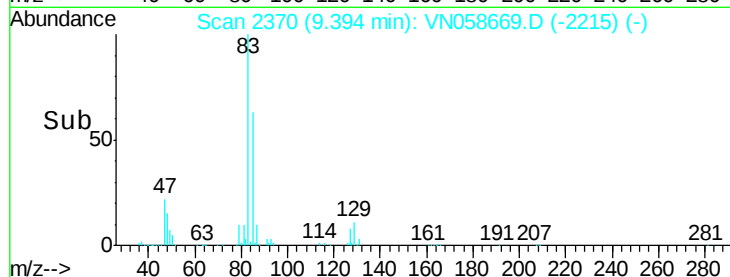
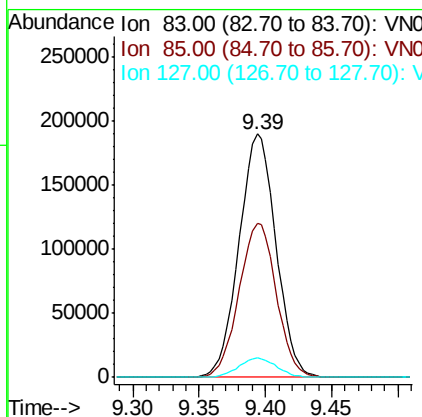
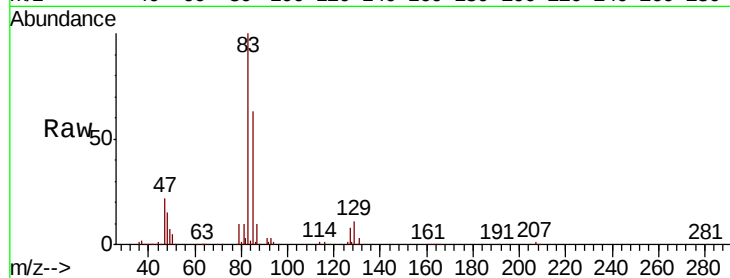
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	369088
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.0	76.4
127	8.0	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 298.821 ug/l

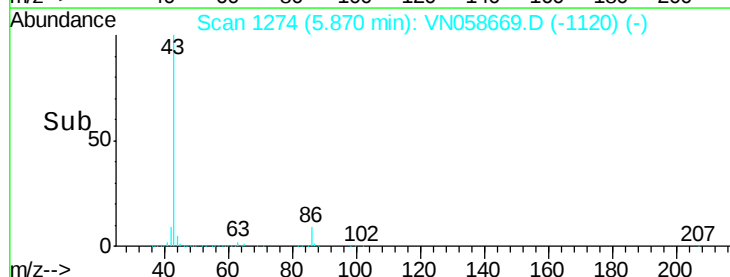
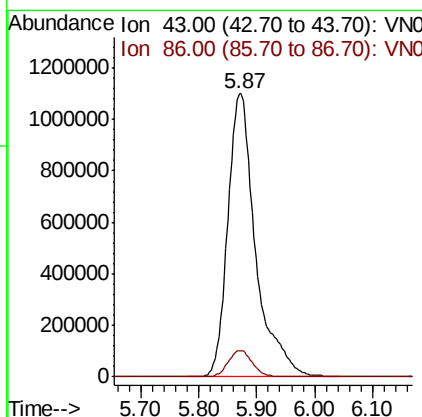
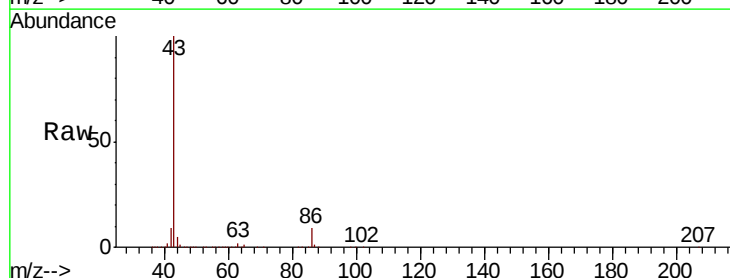
RT: 5.87 min Scan# 1274

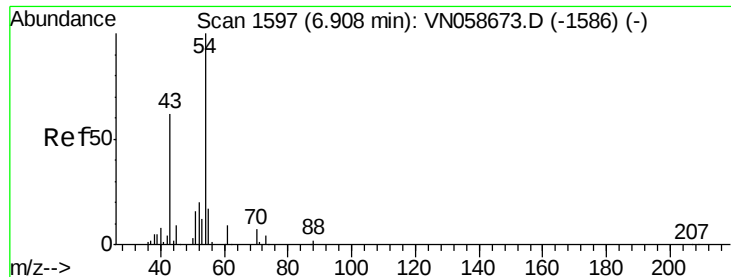
Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Tgt Ion:	43	Resp:	3673389
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.5	9.7





#43

Ethyl Acetate

Concen: 59.585 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 391544

Ion Ratio Lower Upper

43 100

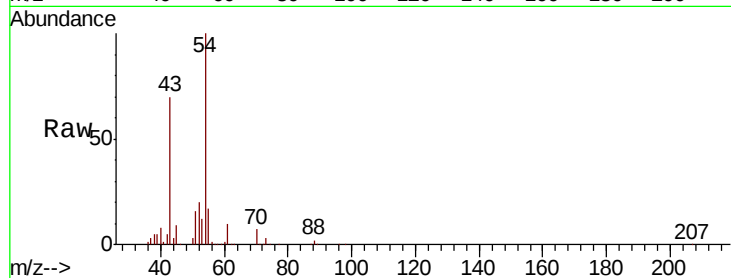
45 14.2 9.7 14.5

Manual Integrations

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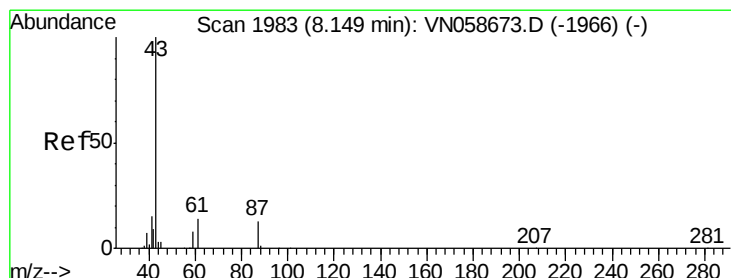
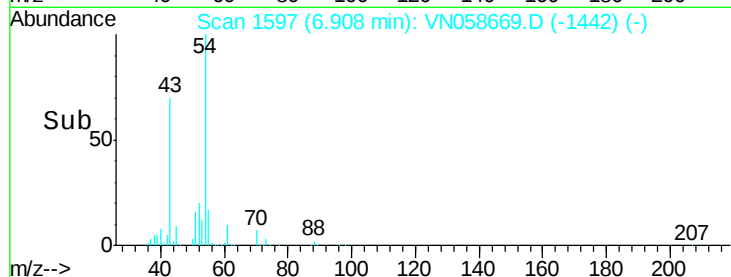
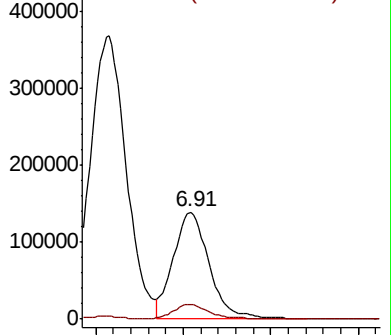
MMDadoda

10/11/2019 2:47:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 56.102 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058669.D

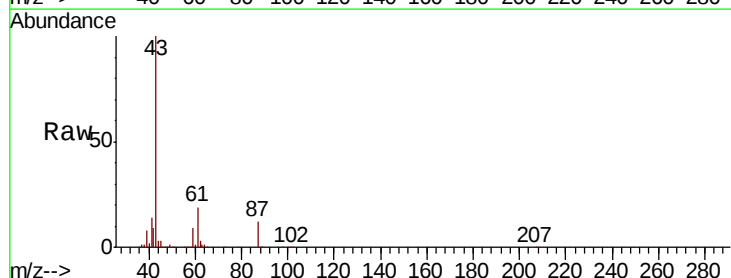
Acq: 10 Oct 2019 17:06

Tgt Ion: 43 Resp: 641812

Ion Ratio Lower Upper

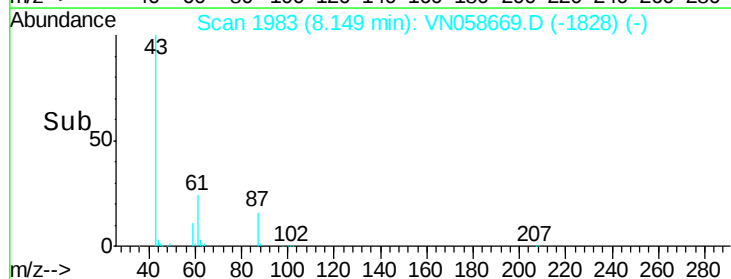
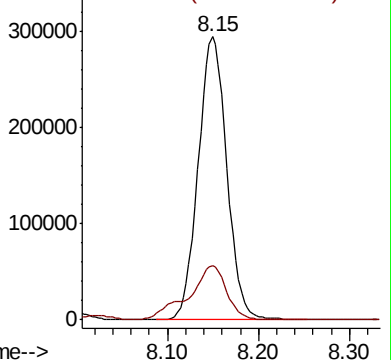
43 100

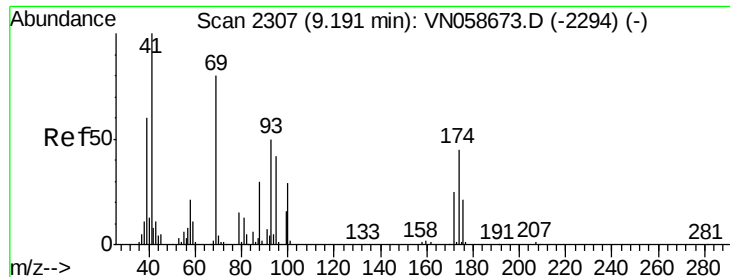
61 19.7 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





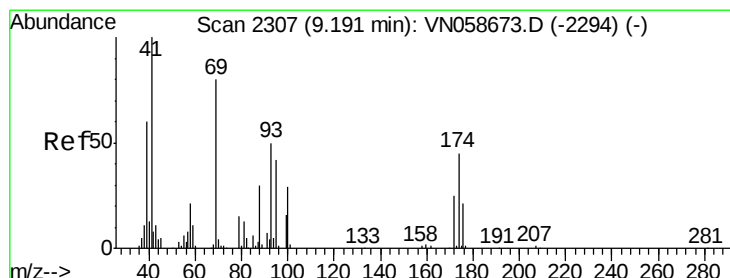
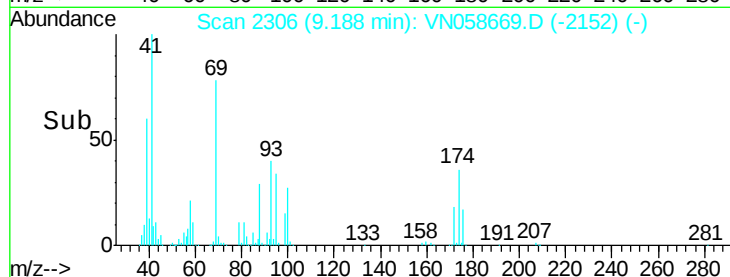
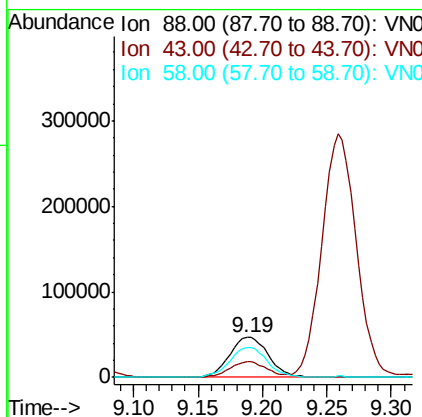
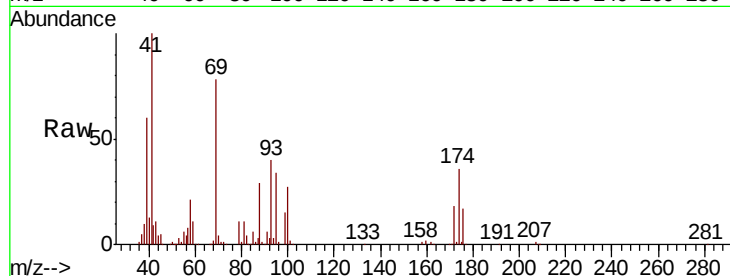
#45
1,4-Dioxane
Concen: 1049.009 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.8
58	72.3	58.2	87.4

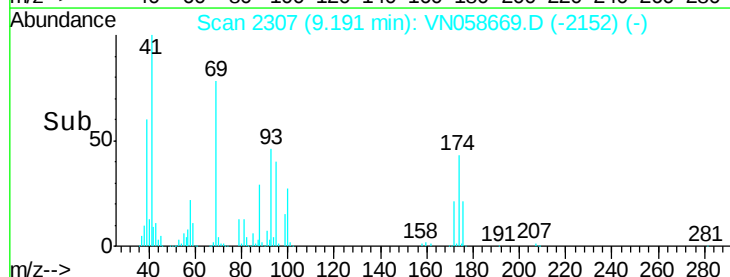
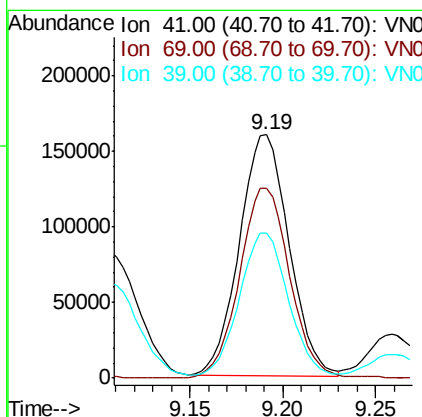
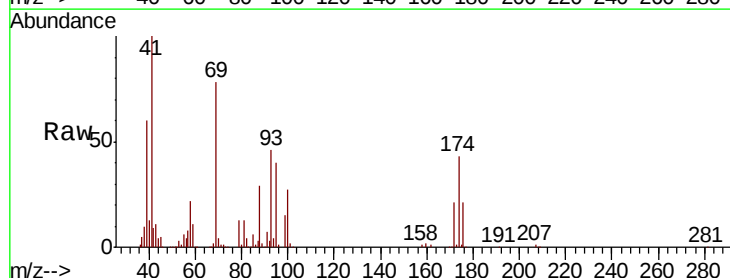
Manual Integrations
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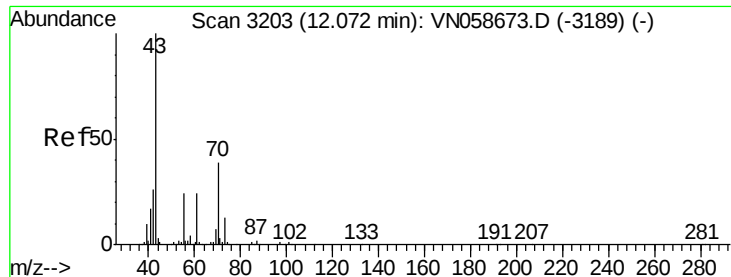
MMDadoda
10/11/2019 2:47:47 PM



#46
Methyl methacrylate
Concen: 55.192 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.6	40.2	120.5
39	59.3	29.9	89.8





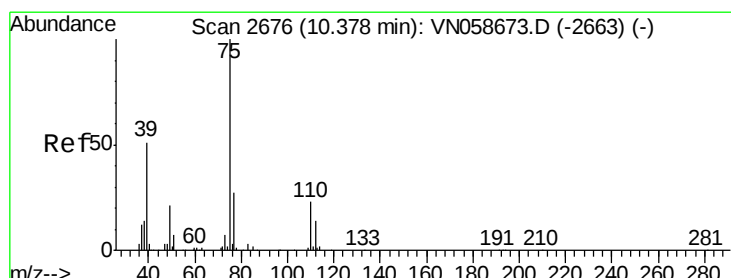
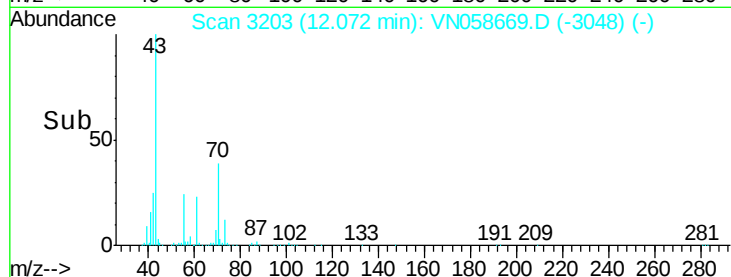
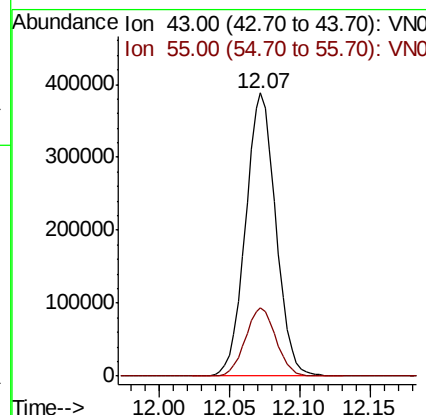
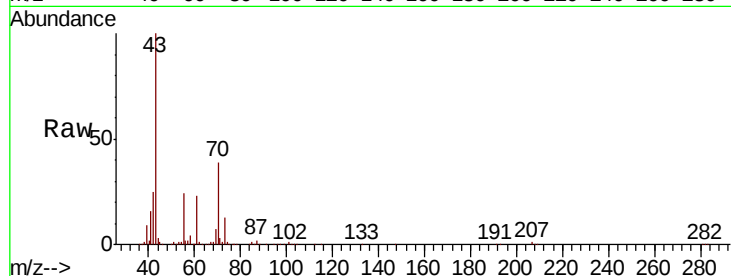
#47
n-amvl Acetate
Concen: 57.854 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 580426
Ion Ratio Lower Upper
43 100
55 24.6 19.6 29.4

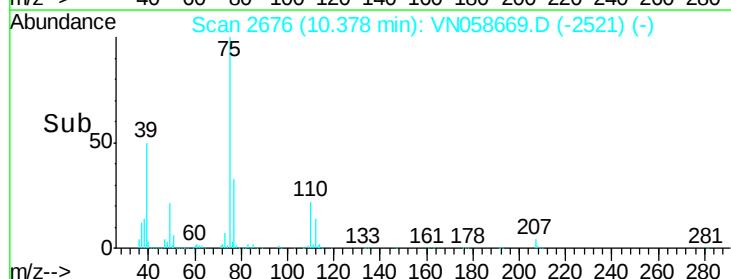
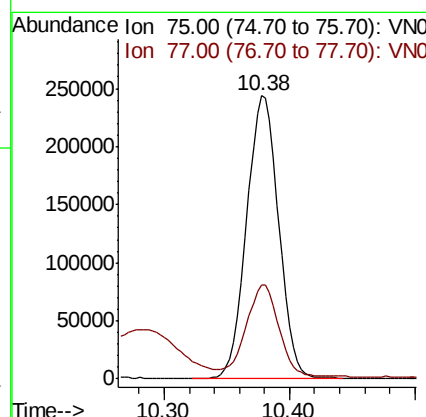
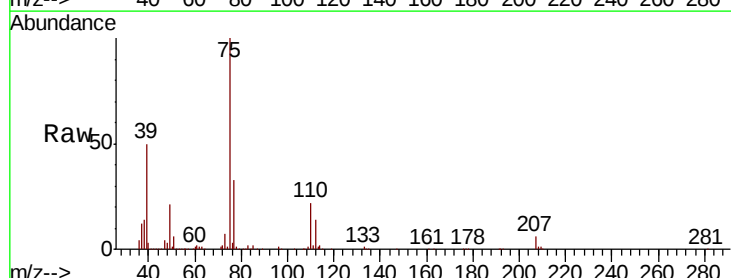
Manual Integrations
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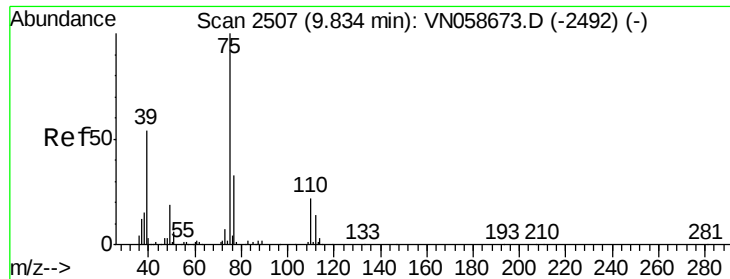
MMDadoda
10/11/2019 2:47:47 PM



#48
t-1,3-Dichloropropene
Concen: 56.893 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 75 Resp: 431570
Ion Ratio Lower Upper
75 100
77 32.2 27.0 40.4





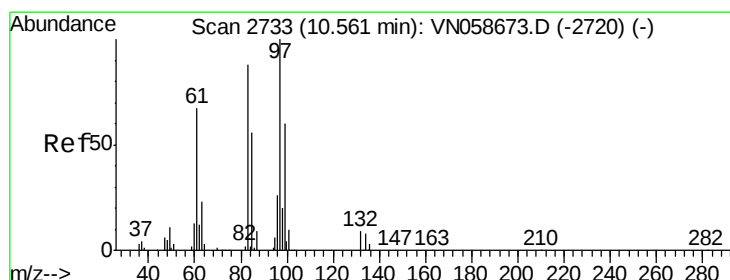
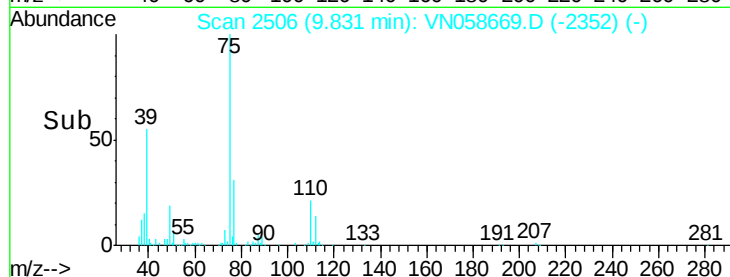
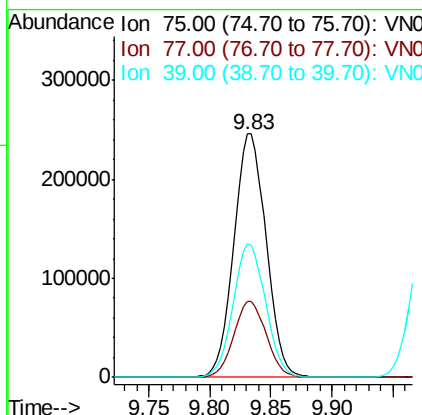
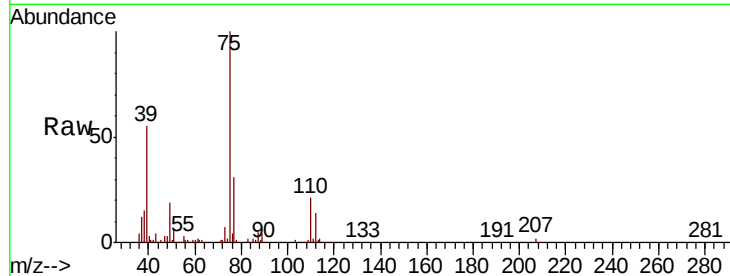
#49
 cis-1,3-Dichloropropene
 Concen: 54.343 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	75	Resp:	451478
Ion Ratio	Lower	Upper	
75	100		
77	31.3	26.1	39.1
39	54.9	43.1	64.7

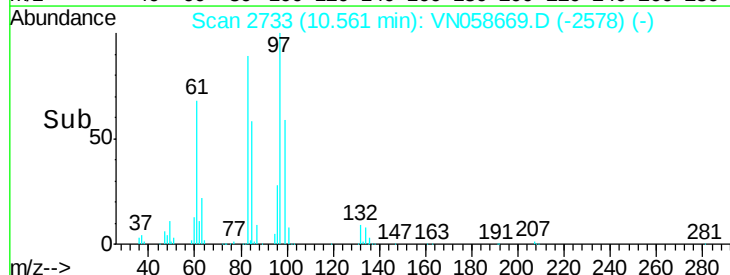
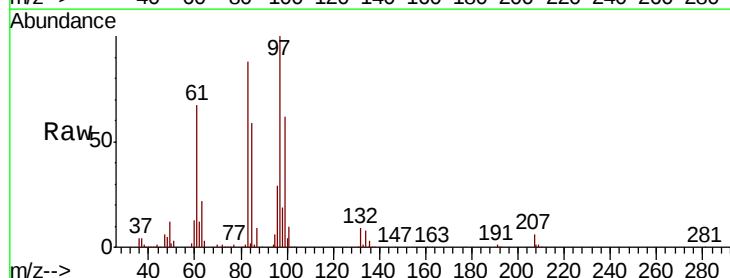
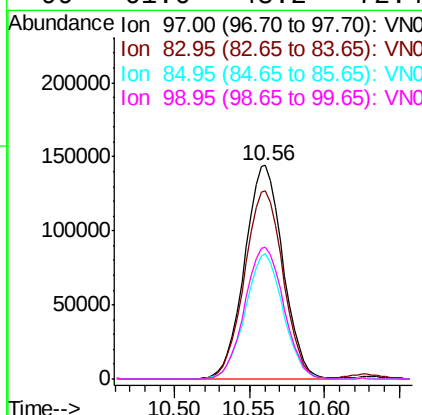
Manual Integrations
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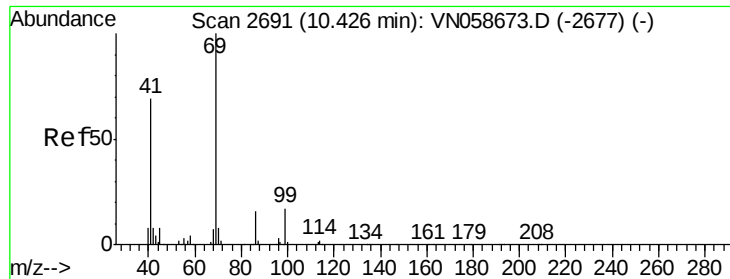
MMDadoda
 10/11/2019 2:47:47 PM



#50
 1,1,2-Trichloroethane
 Concen: 53.682 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion:	97	Resp:	257898
Ion Ratio	Lower	Upper	
97	100		
83	88.4	70.7	106.1
85	58.5	45.1	67.7
99	61.6	48.2	72.4





#51

Ethyl methacrylate

Concen: 55.556 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 69 Resp: 423428

Ion Ratio Lower Upper

69 100

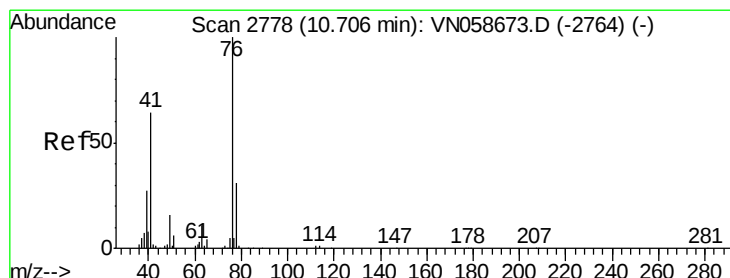
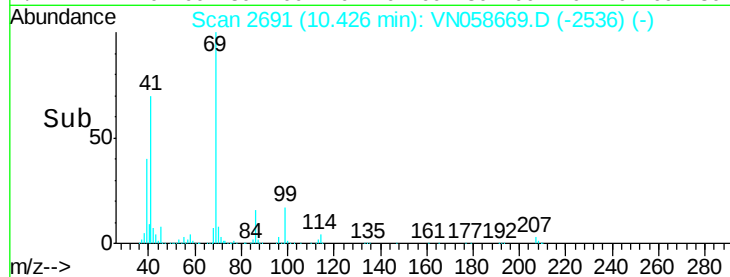
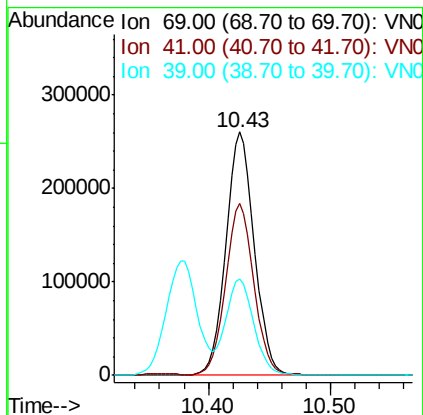
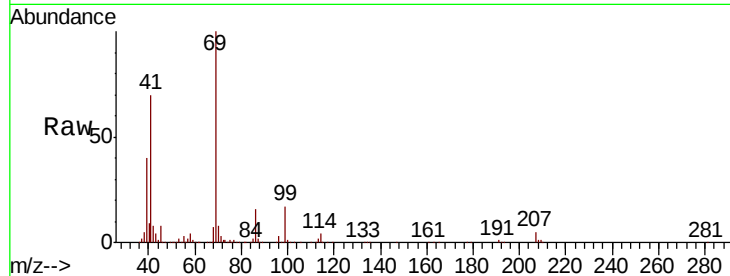
41 70.3 34.7 104.1

39 39.6 20.3 60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 53.608 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058669.D

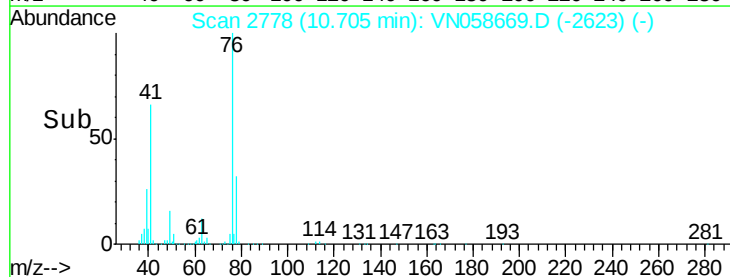
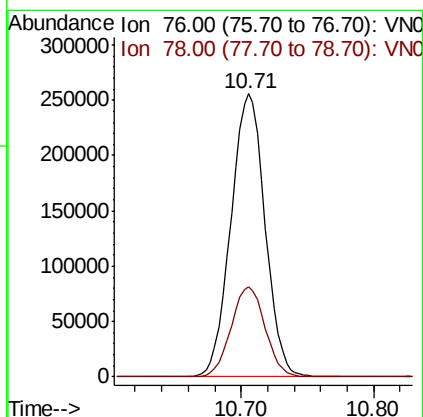
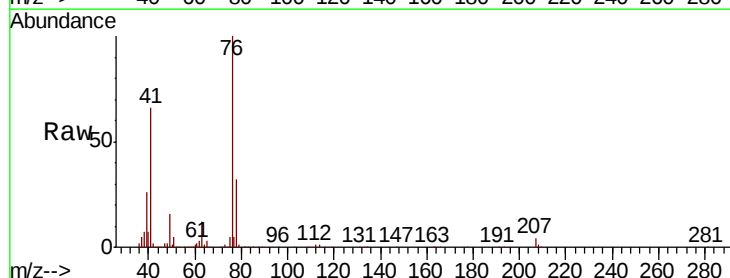
Acq: 10 Oct 2019 17:06

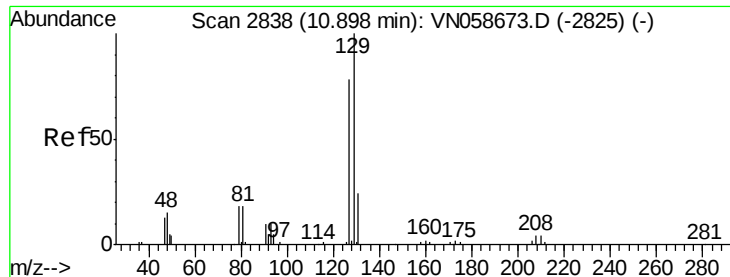
Tgt Ion: 76 Resp: 456912

Ion Ratio Lower Upper

76 100

78 31.9 0.0 63.2





#53

Dibromochloromethane

Concen: 56.907 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 280280

Ion Ratio Lower Upper

129 100

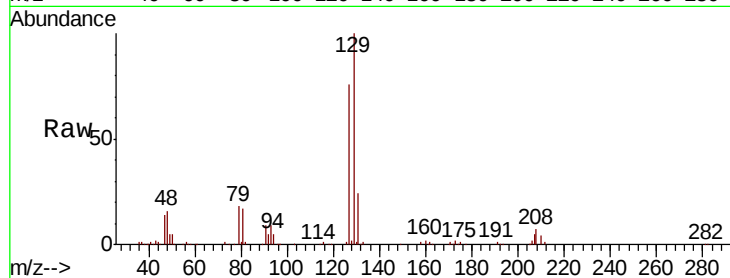
127 76.9 39.1 117.5

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

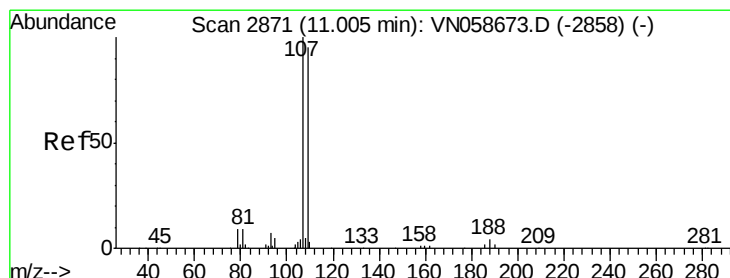
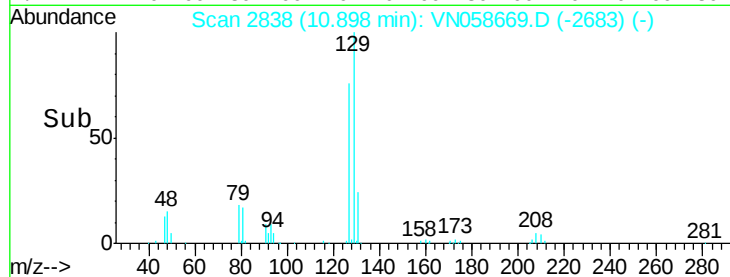
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 54.554 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058669.D

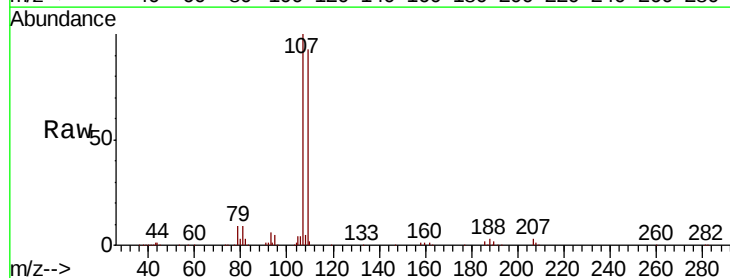
Acq: 10 Oct 2019 17:06

Tgt Ion:107 Resp: 268446

Ion Ratio Lower Upper

107 100

109 94.1 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

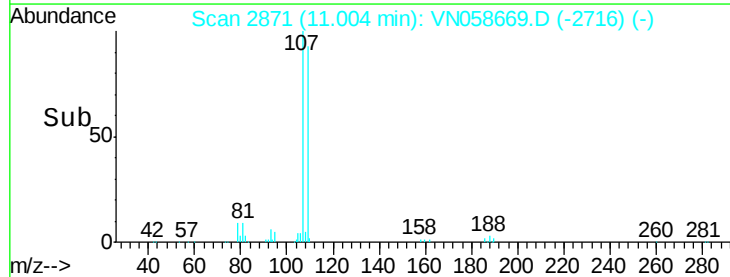
150000

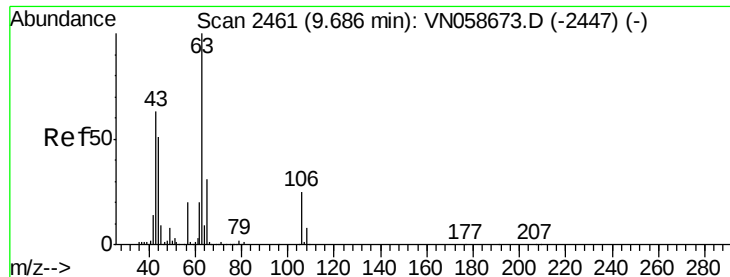
100000

50000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 306.241 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 1036733

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

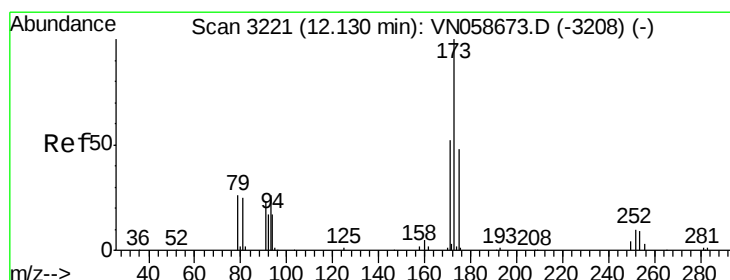
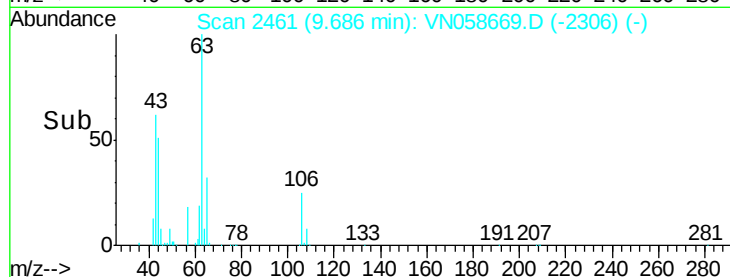
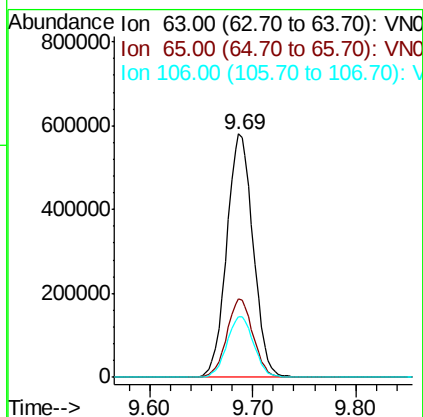
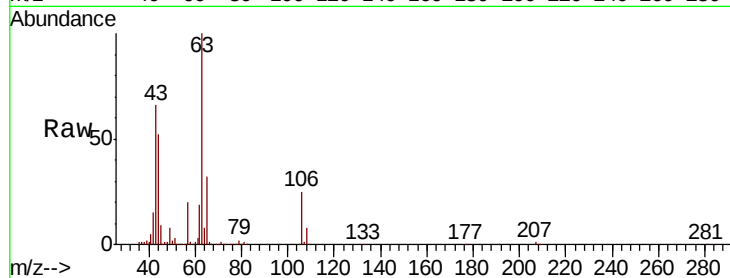
106 25.3 19.8 29.6

Manual Integrations

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#56

Bromoform

Concen: 61.730 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

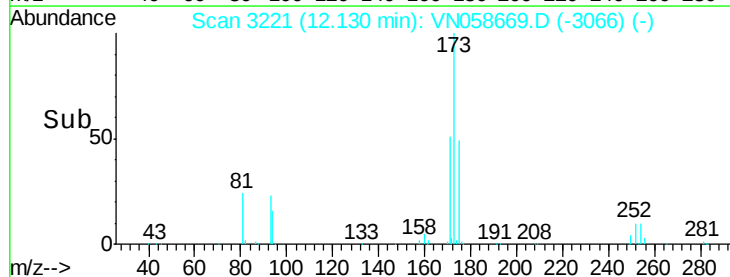
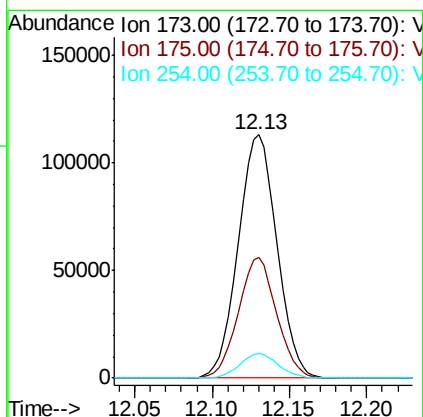
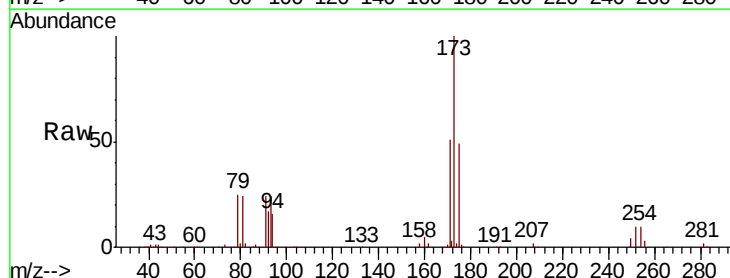
Tgt Ion: 173 Resp: 196751

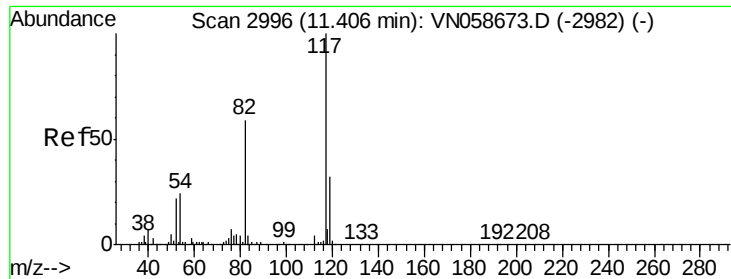
Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 10.1 7.4 11.2





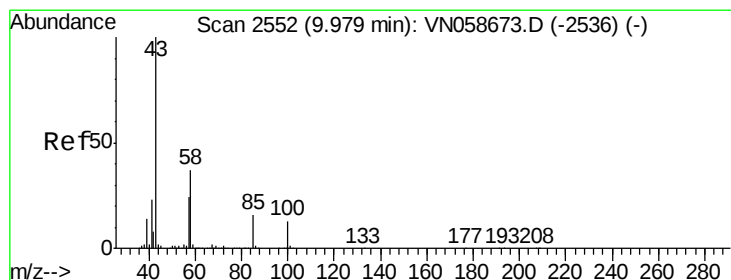
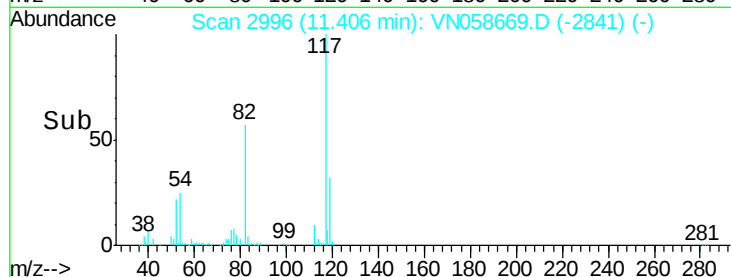
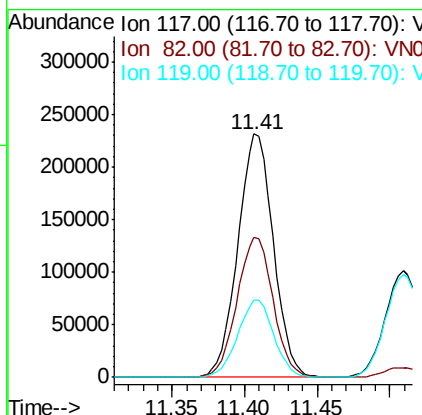
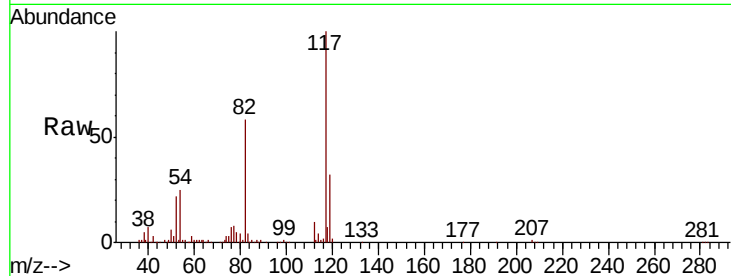
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	32.4	25.8	38.6

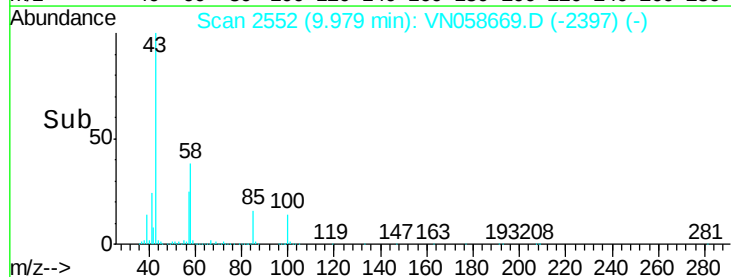
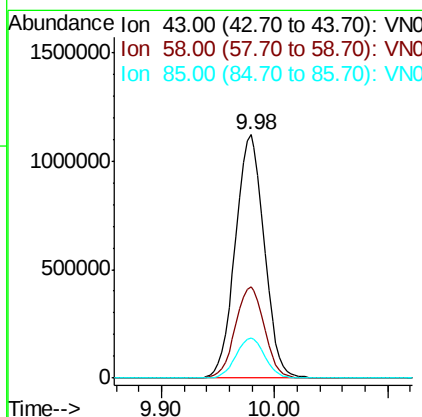
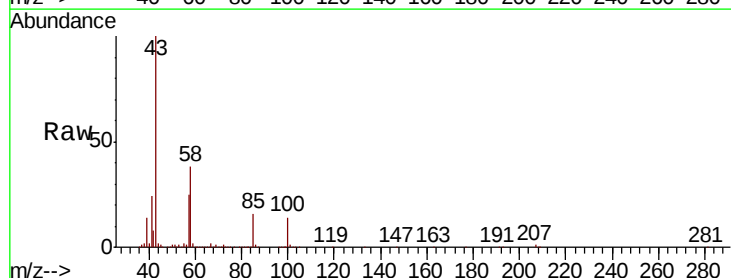
Manual Integrations
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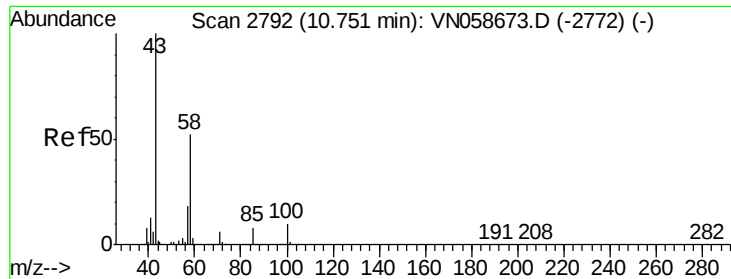
MMDadoda
10/11/2019 2:47:47 PM



#58
4-Methyl-2-Pentanone
Concen: 311.359 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1
85	16.5	13.2	19.8





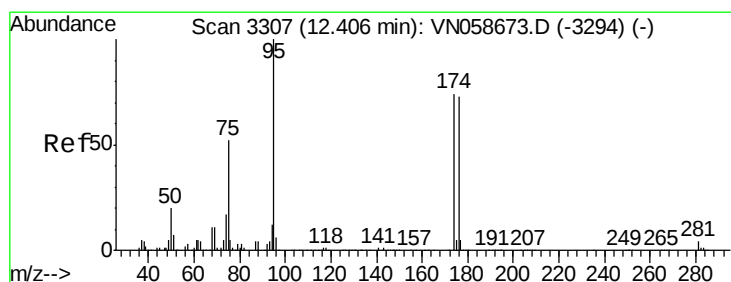
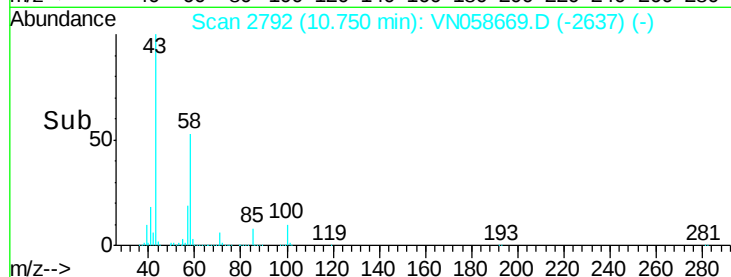
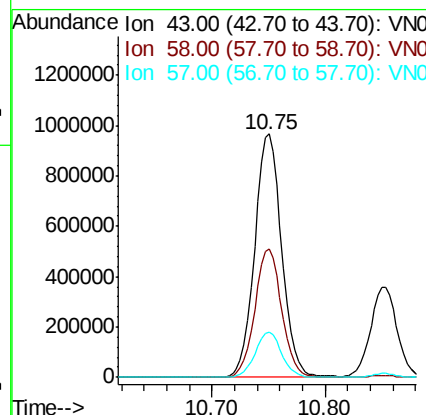
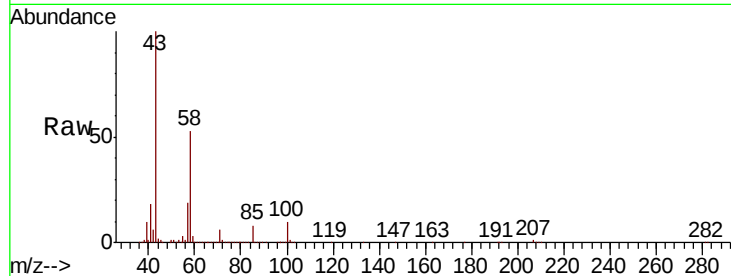
#59
2-Hexanone
Concen: 328.127 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	41.4	62.0
57	18.4	14.7	22.1

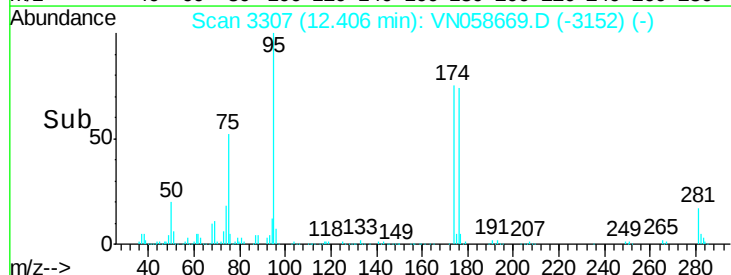
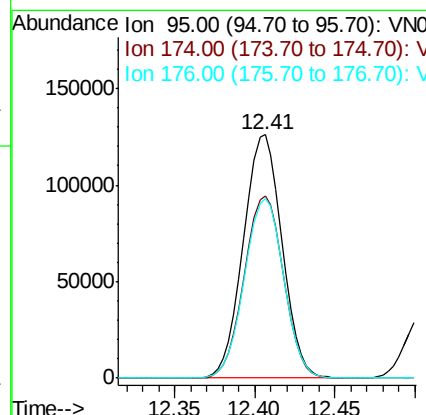
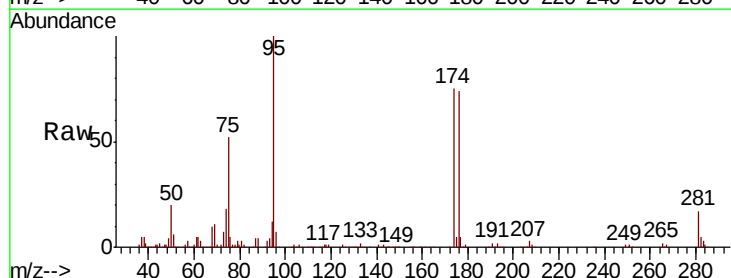
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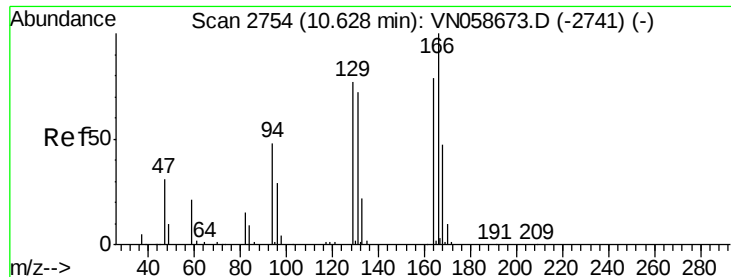
MMDadoda
10/11/2019 2:47:47 PM



#60
4-Bromofluorobenzene
Concen: 30.377 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.9	89.9
176	74.9	58.3	87.5





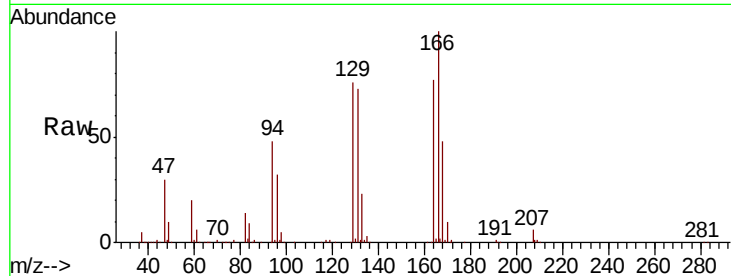
#61
Tetrachloroethene
Concen: 52.493 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

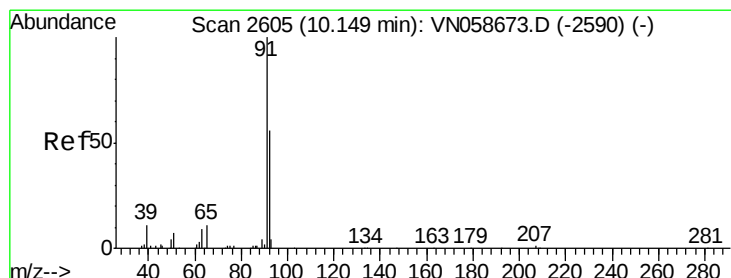
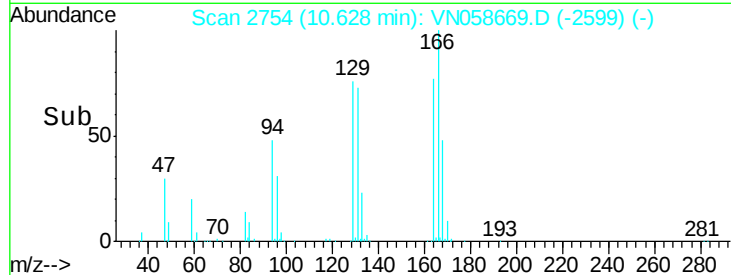
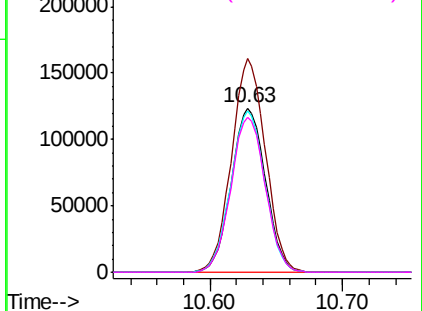
Tot Ion	Ion	Ratio	Lower	Upper
164	100			
166	130.3	101.4	152.2	
129	98.4	78.1	117.1	
131	94.6	73.2	109.8	

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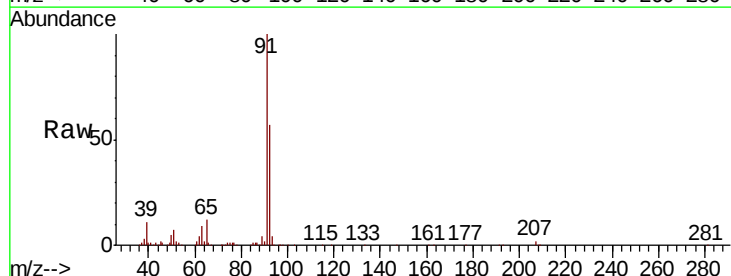


Abundance Ion 163.85 (163.55 to 164.55): V
250000
Ion 165.80 (165.50 to 166.50): V
200000
Ion 128.90 (128.60 to 129.60): V
150000
Ion 130.90 (130.60 to 131.60): V
100000
50000
0

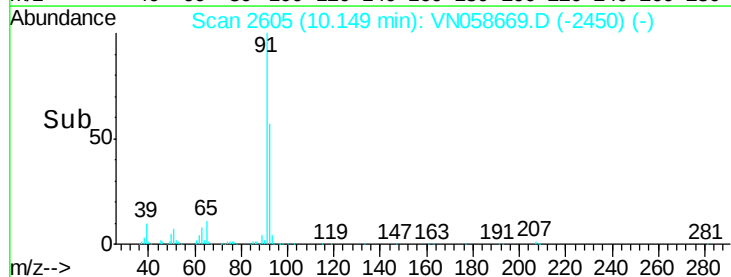
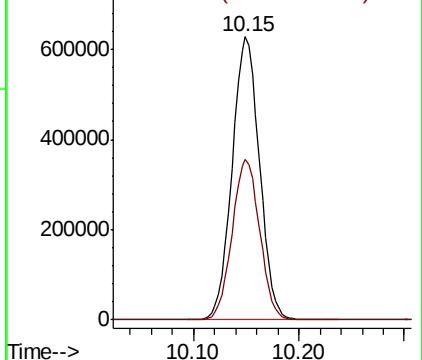


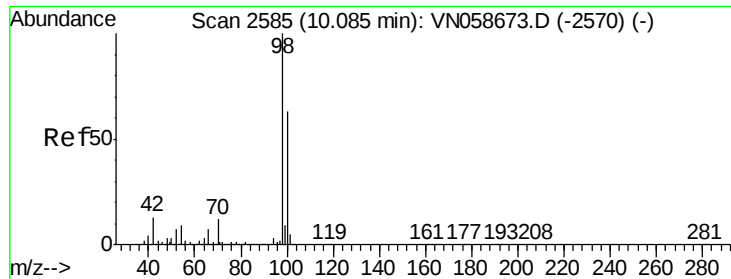
#62
Toluene
Concen: 51.997 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
92	57.2	45.4	68.2	



Abundance Ion 91.00 (90.70 to 91.70): VNO
600000
Ion 92.00 (91.70 to 92.70): VNO
400000
200000
0





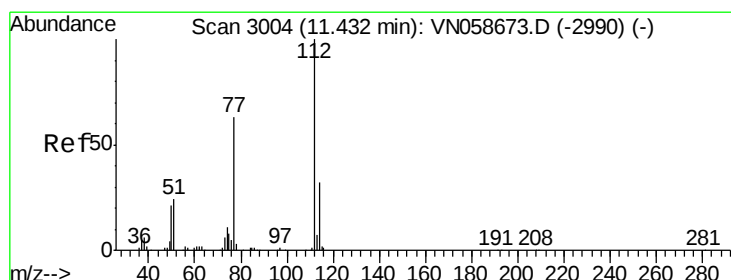
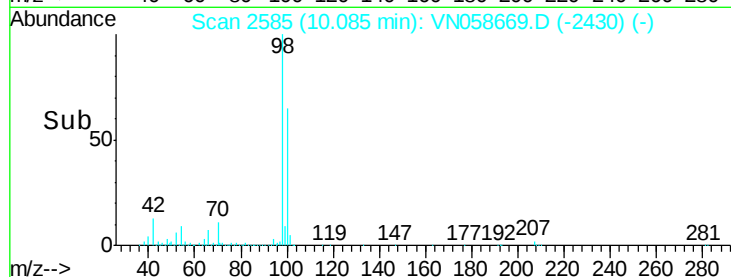
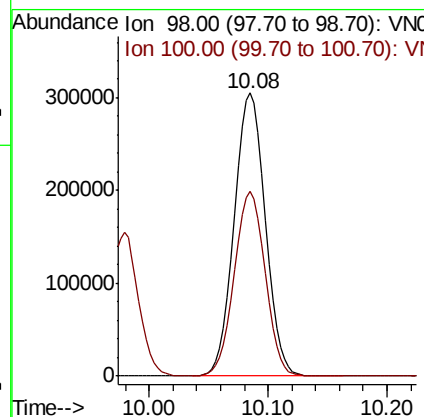
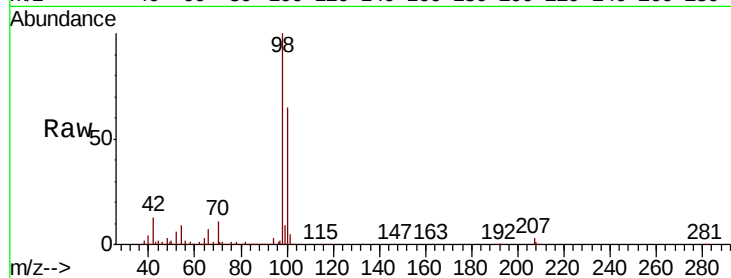
#63
Toluene-d8
Concen: 29.386 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 553432
Ion Ratio Lower Upper
98 100
100 64.9 50.6 75.8

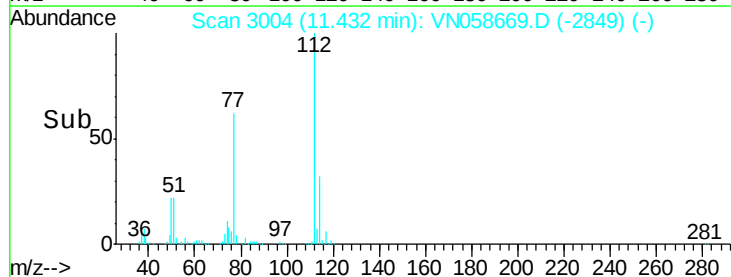
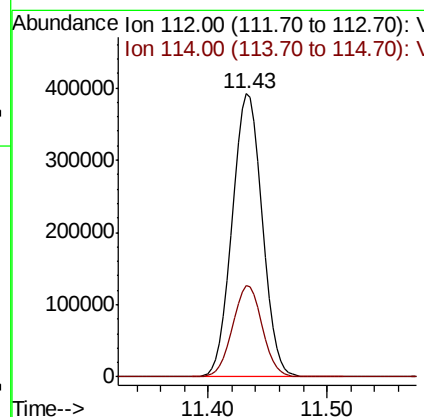
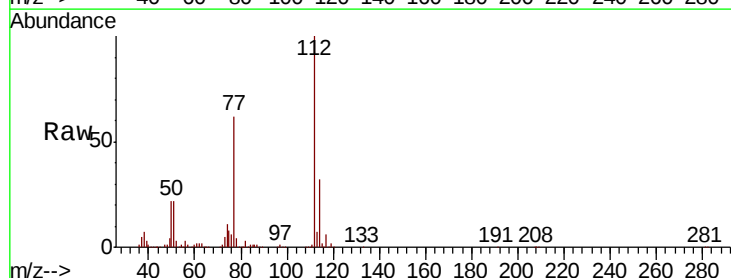
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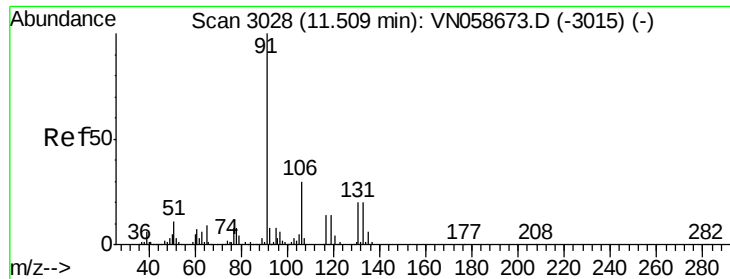
MMDadoda
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#64
Chlorobenzene
Concen: 51.550 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 112 Resp: 686649
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 54.326 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

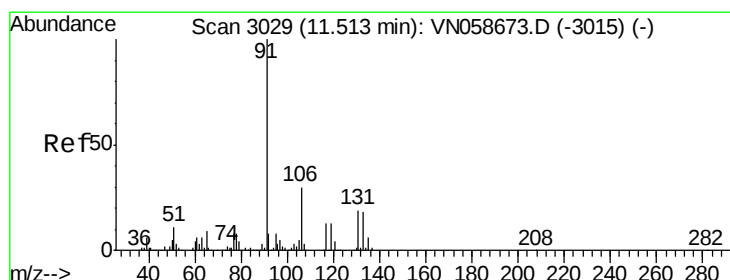
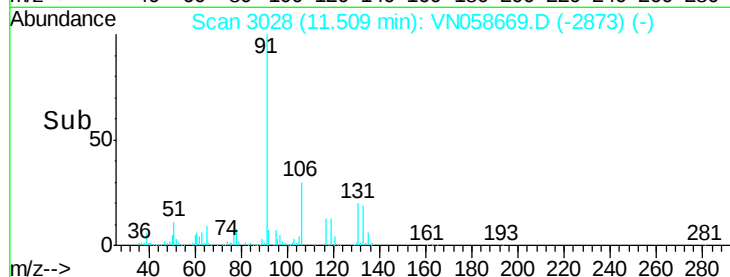
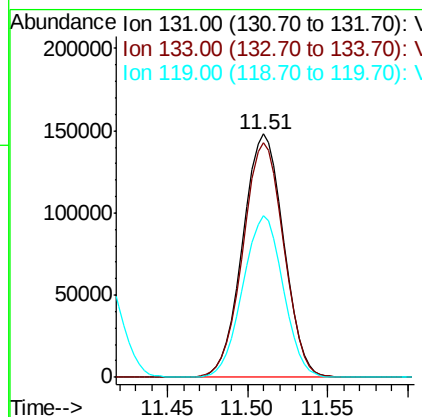
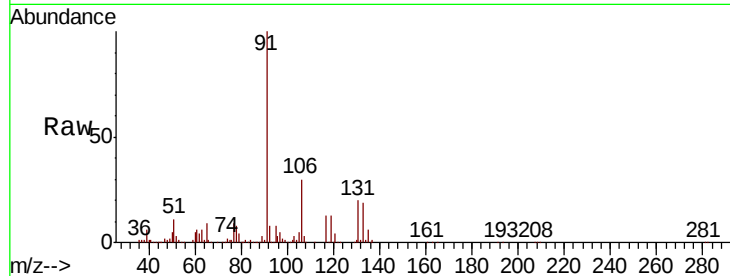
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	258874
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	194.0
119	65.5	0.0	136.8

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#66

Ethyl Benzene

Concen: 54.024 ug/l

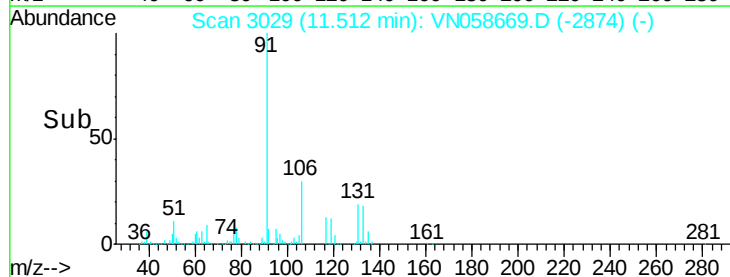
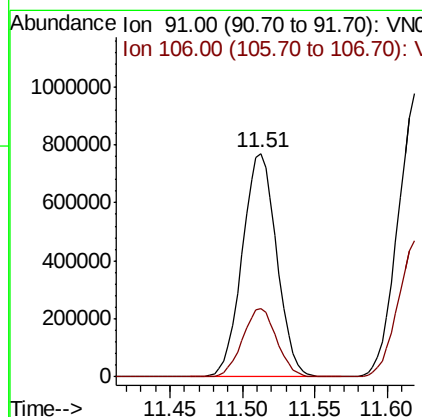
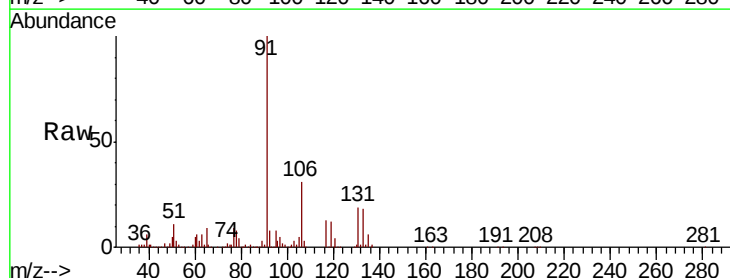
RT: 11.51 min Scan# 3029

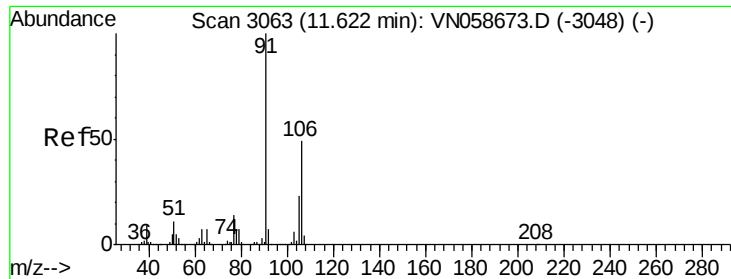
Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Tgt Ion:	91	Resp:	1273343
Ion Ratio	Lower	Upper	
91	100		
106	30.6	24.2	36.4





#67

m/p-Xylenes

Concen: 104.410 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 946238

Ion Ratio Lower Upper

106 100

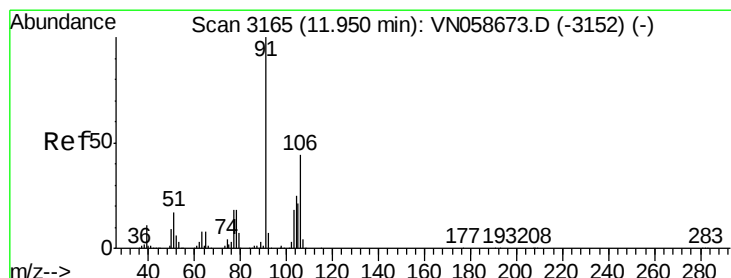
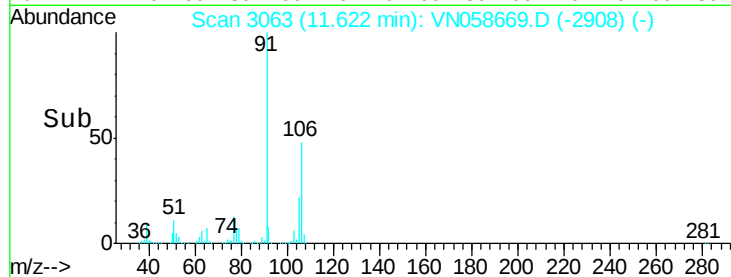
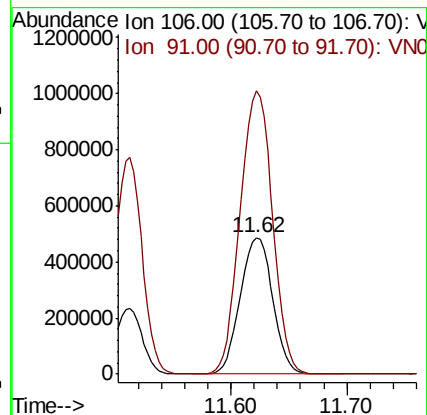
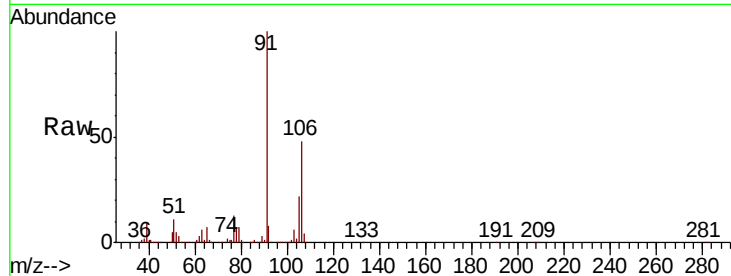
91 207.2 165.6 248.4

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#68

o-Xylene

Concen: 51.202 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058669.D

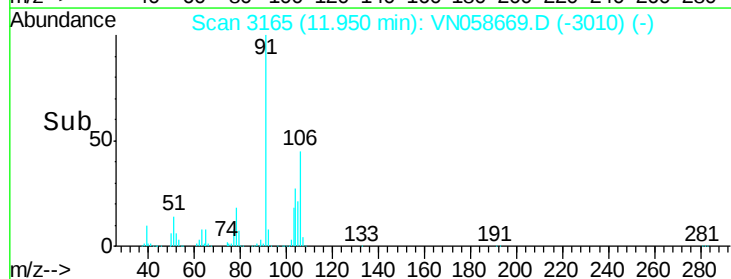
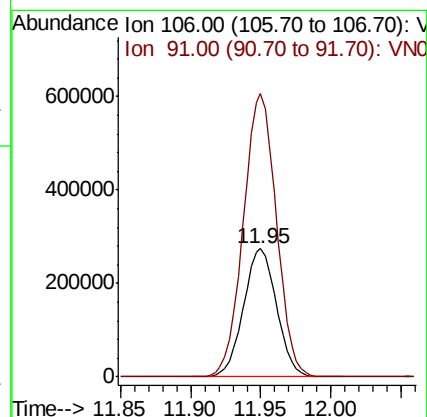
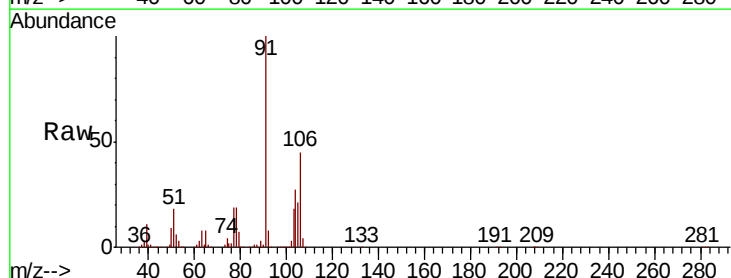
Acq: 10 Oct 2019 17:06

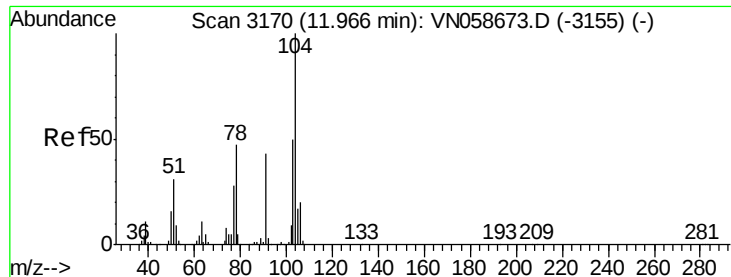
Tgt Ion:106 Resp: 450677

Ion Ratio Lower Upper

106 100

91 221.3 109.8 329.4





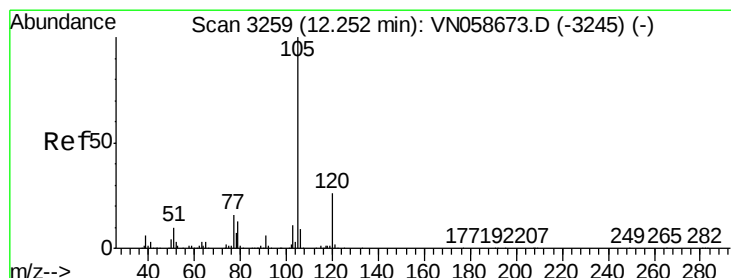
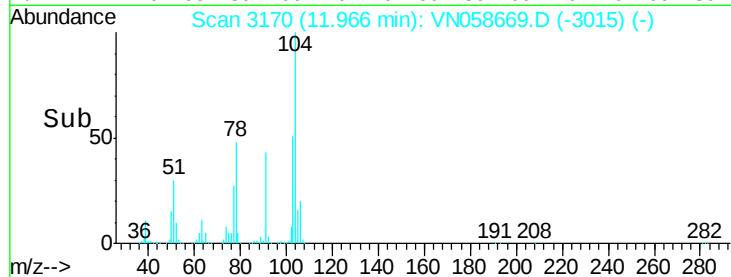
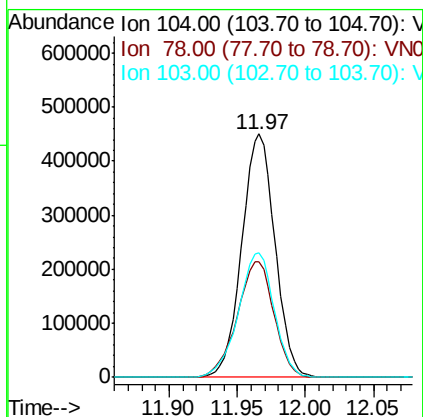
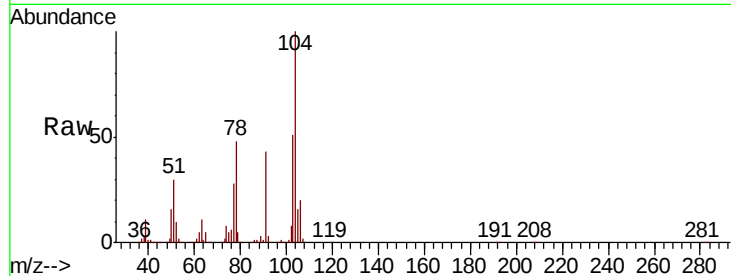
#69
Stvrene
Concen: 51.909 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.4	63.6
103	55.1	44.6	66.8

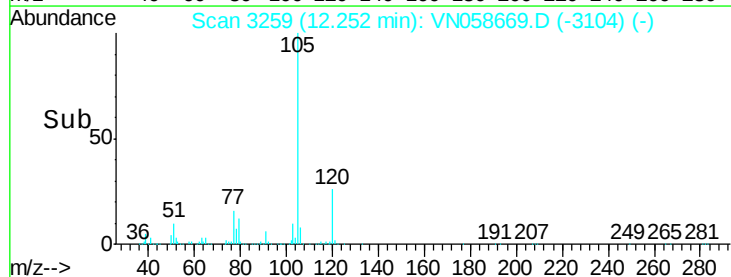
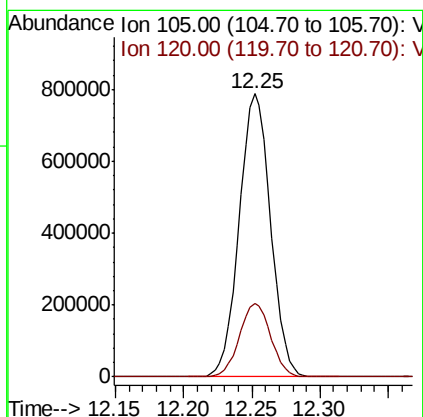
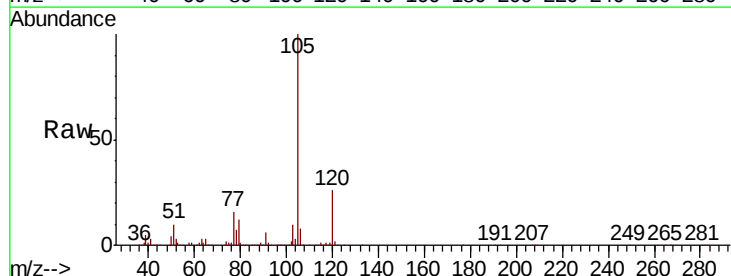
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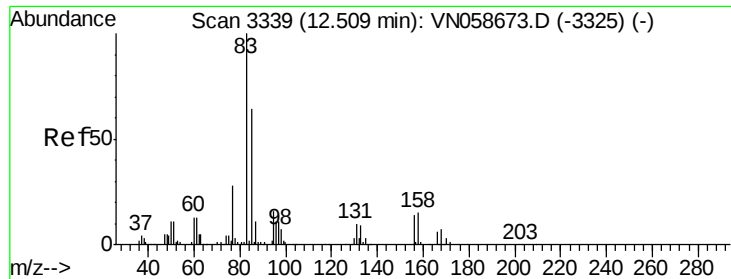
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#70
Isopropylbenzene
Concen: 54.930 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.4	34.2





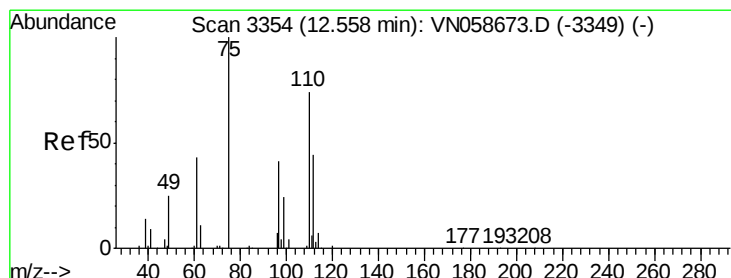
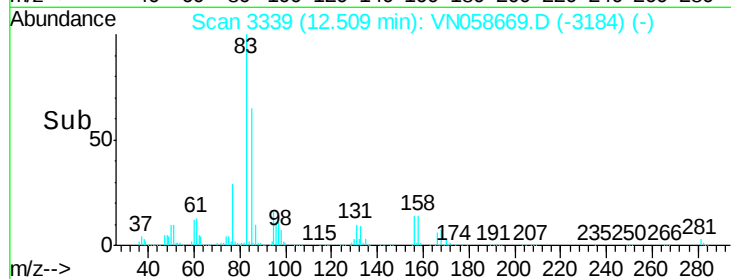
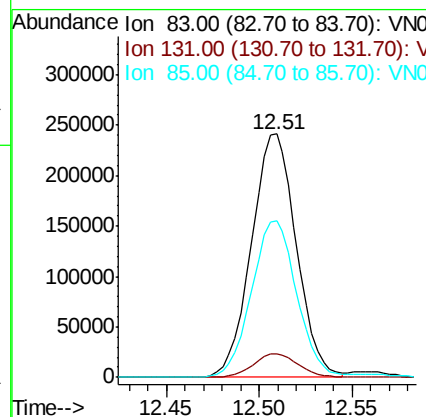
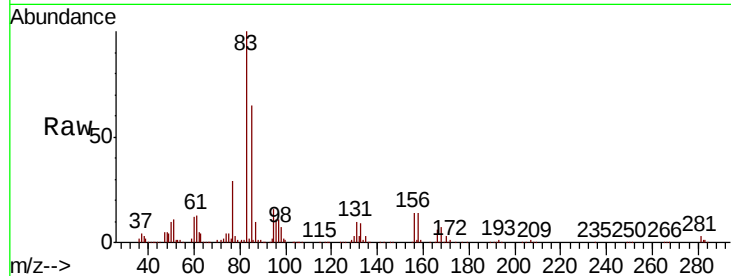
#71
 1,1,2,2-Tetrachloroethane
 Concen: 54.709 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.9	14.7	
85	65.1	31.6	94.7	

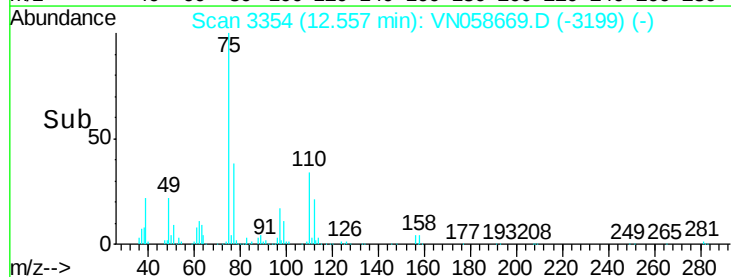
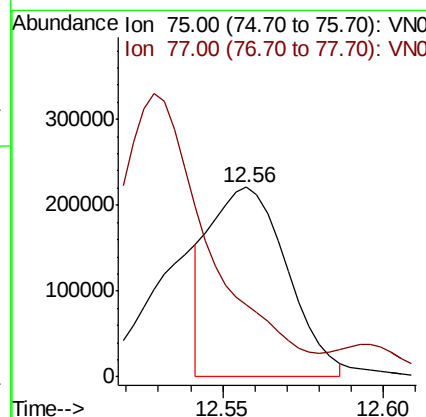
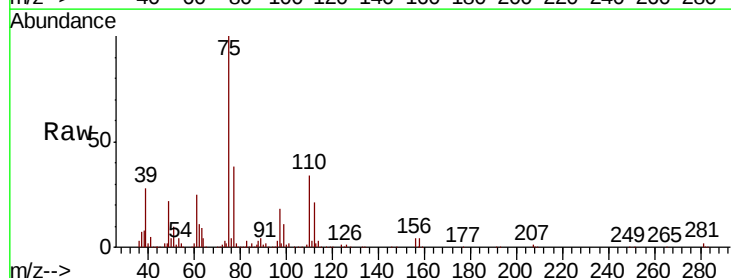
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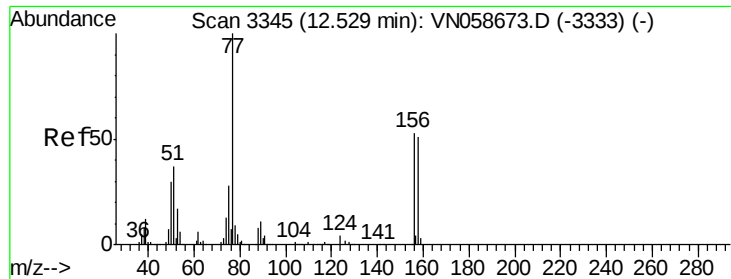
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#72
 1,2,3-Trichloropropane
 Concen: 56.825 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	185.6	0.0	359.4	





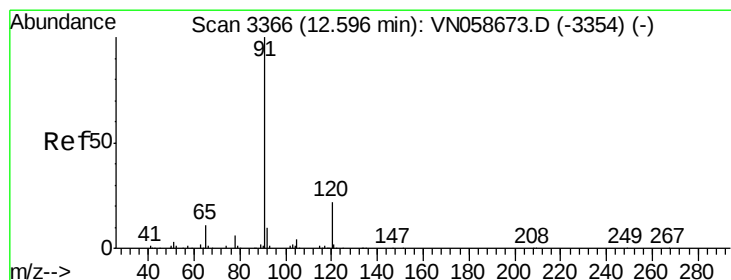
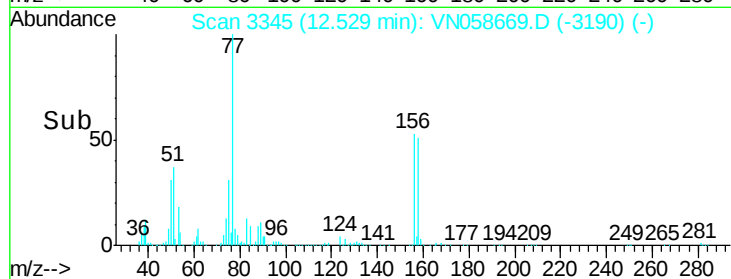
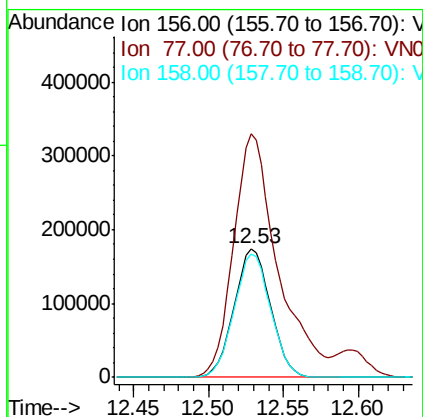
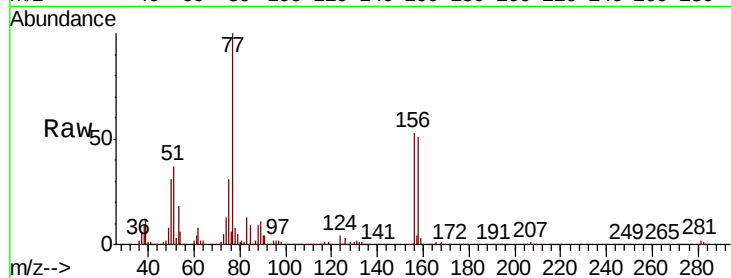
#73
Bromobenzene
Concen: 52.763 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.6	0.0	456.0
158	96.9	0.0	195.4

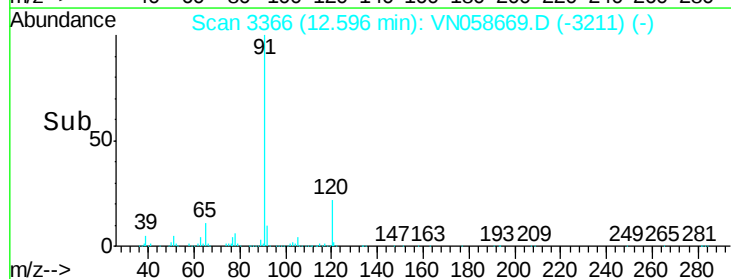
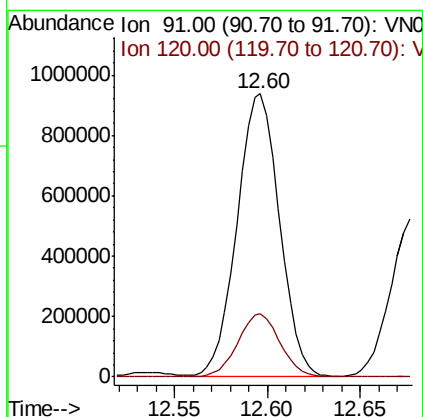
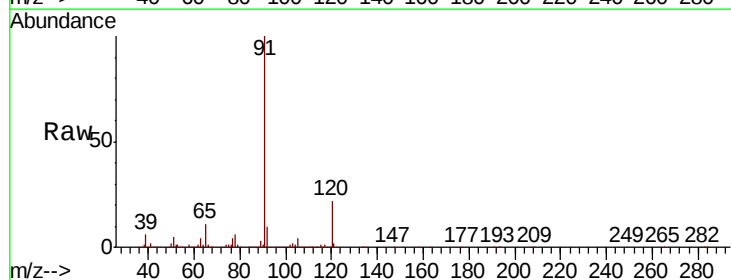
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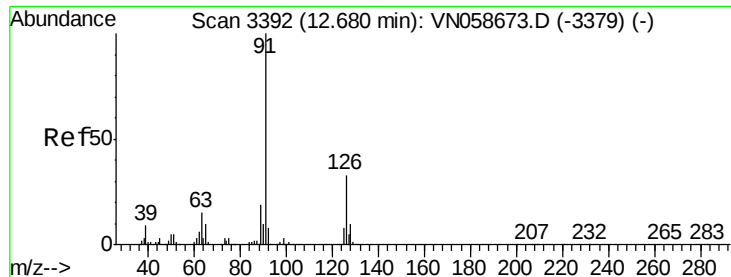
MMDadoda
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#74
n-propylbenzene
Concen: 56.464 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.6





#75

2-Chlorotoluene

Concen: 52.789 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 871048

Ion Ratio Lower Upper

91 100

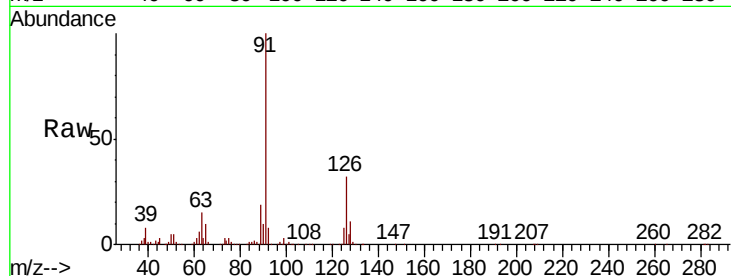
126 32.4 0.0 65.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

800000

600000

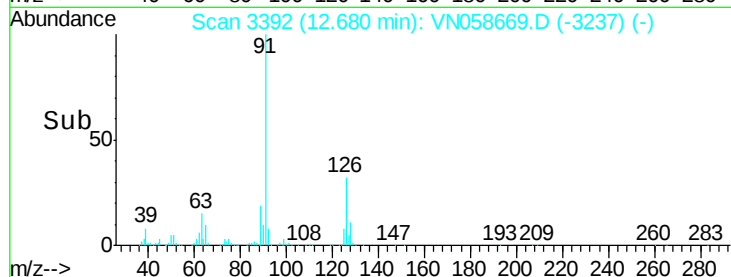
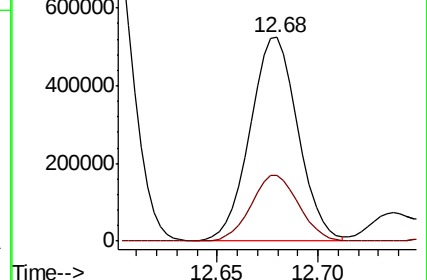
400000

200000

0

12.65

12.70



#76

1,3,5-Trimethylbenzene

Concen: 54.332 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058669.D

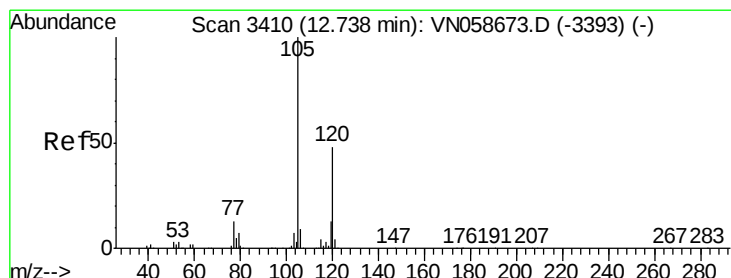
Acq: 10 Oct 2019 17:06

Tgt Ion: 105 Resp: 1069396

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058669.D (-3237) (-)

Ion 120.00 (119.70 to 120.70): VN058669.D (-3237) (-)

800000

600000

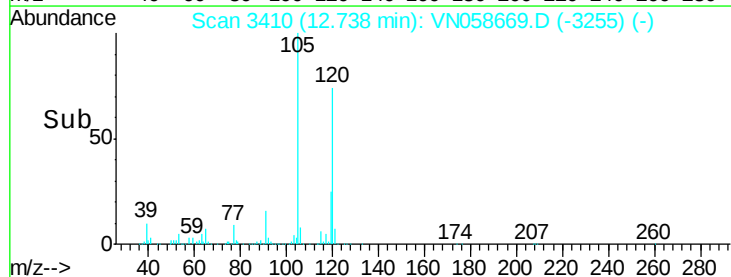
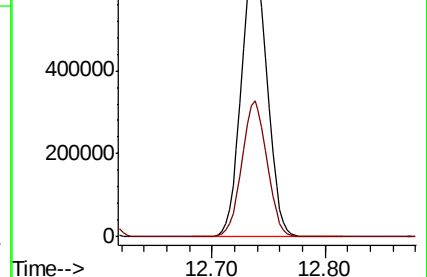
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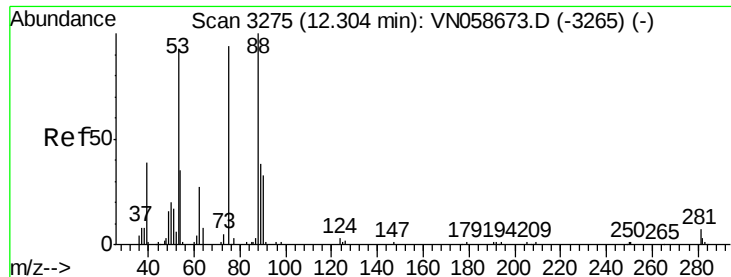
200000

0

12.70

12.80





#77

t-1,4-Dichloro-2-butene

Concen: 65.540 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

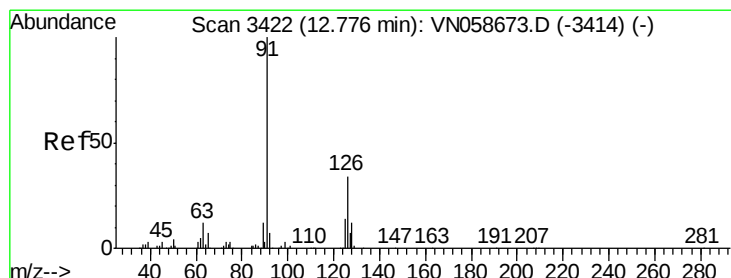
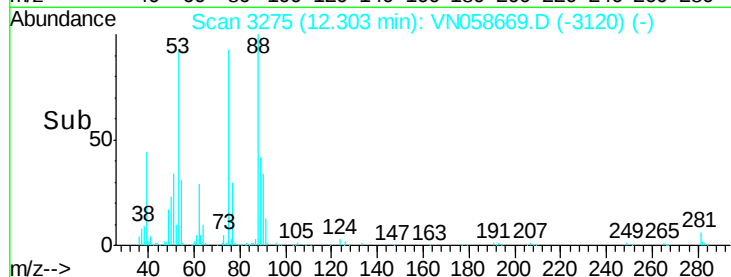
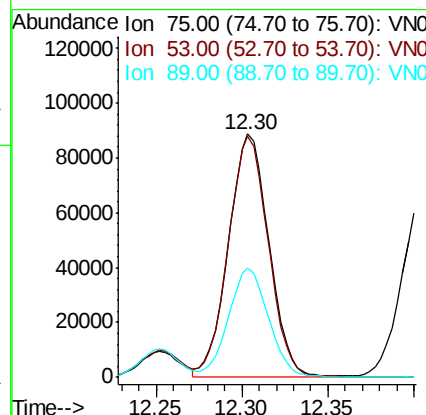
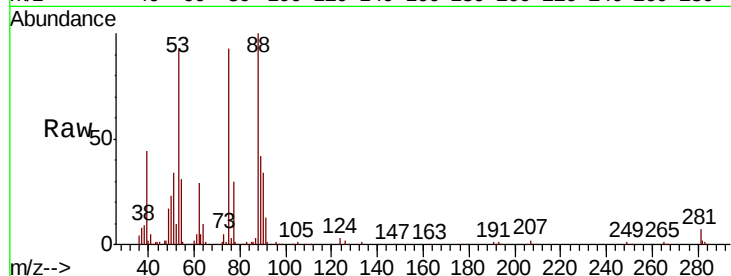
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	144808
Ion Ratio	Lower	Upper	
75	100		
53	99.1	50.0	150.0
89	44.9	20.7	62.1

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#78

4-Chlorotoluene

Concen: 53.061 ug/l

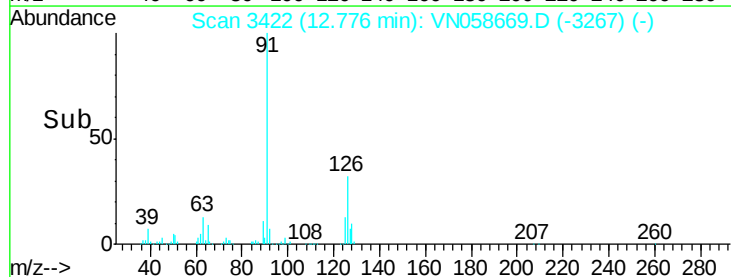
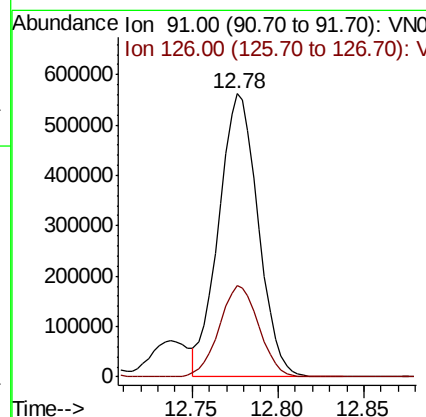
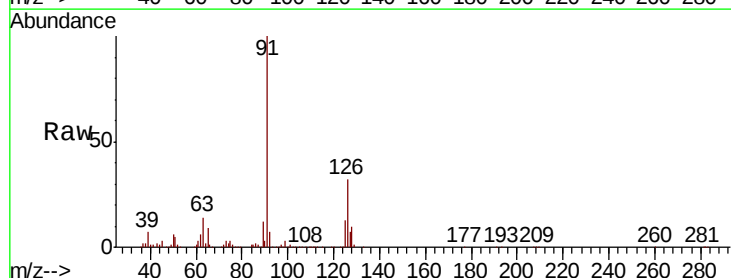
RT: 12.78 min Scan# 3422

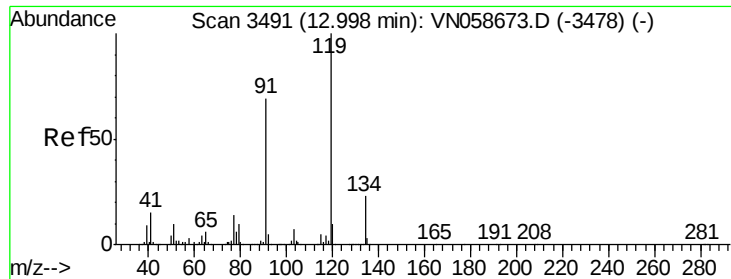
Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Tgt Ion:	91	Resp:	896841
Ion Ratio	Lower	Upper	
91	100		
126	32.5	0.0	63.4





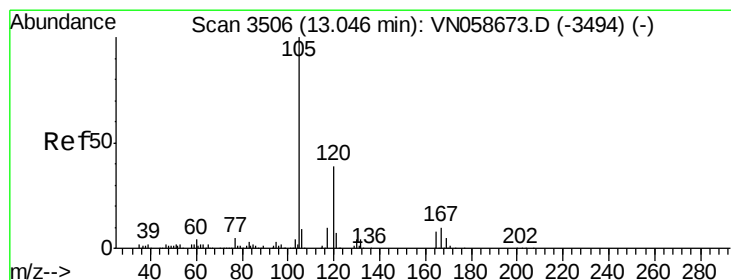
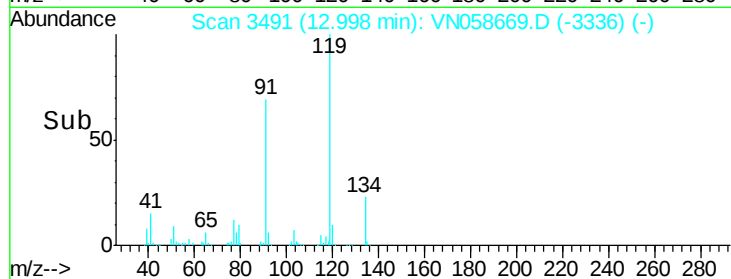
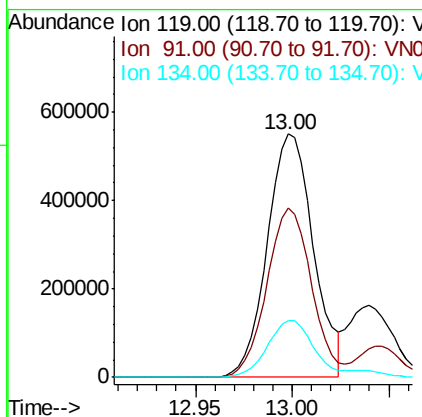
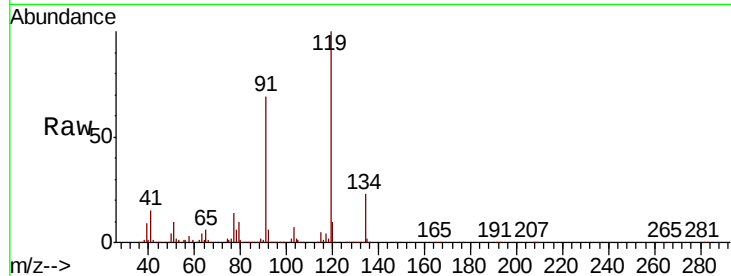
#79
tert-butylbenzene
Concen: 53.389 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	913674		
91	67.5	0.0	136.4	
134	23.2	0.0	47.2	

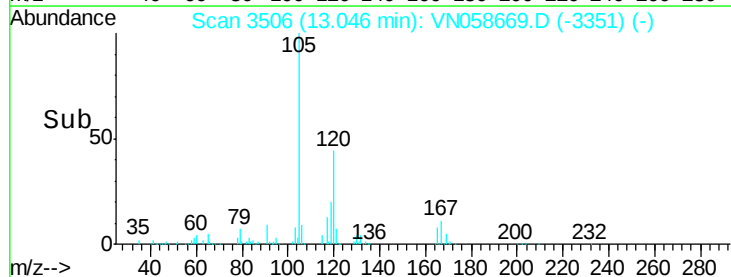
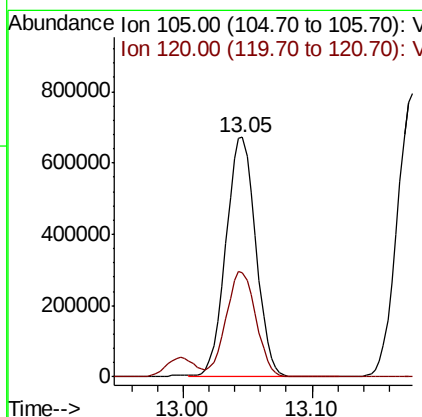
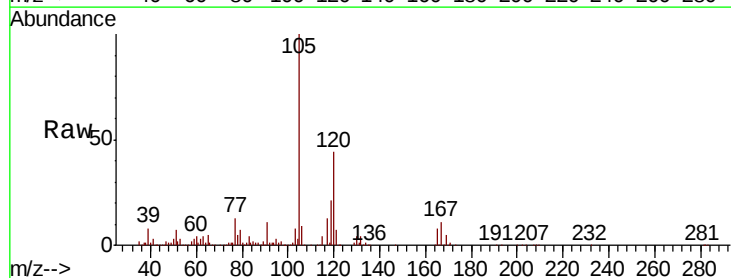
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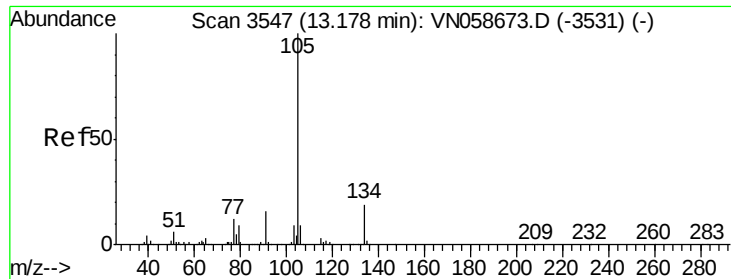
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 55.009 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1077713		
120	44.1	0.0	89.2	





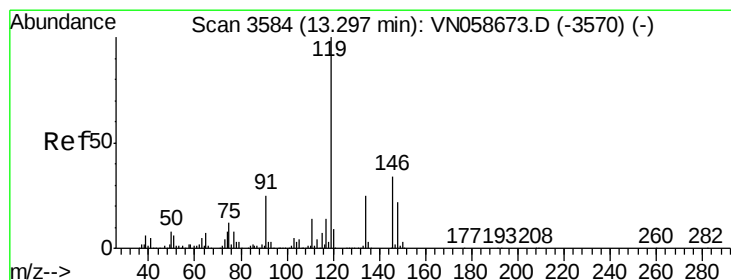
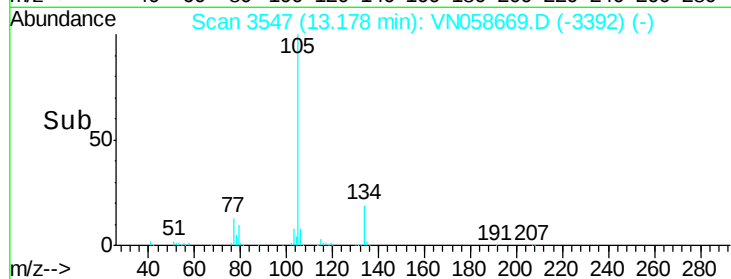
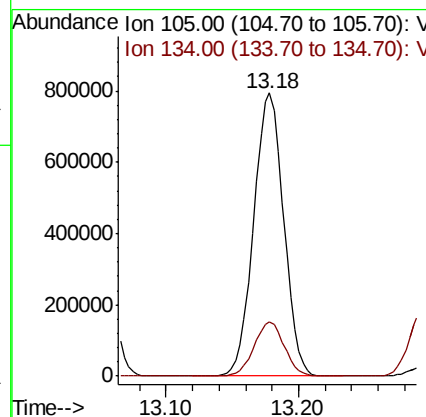
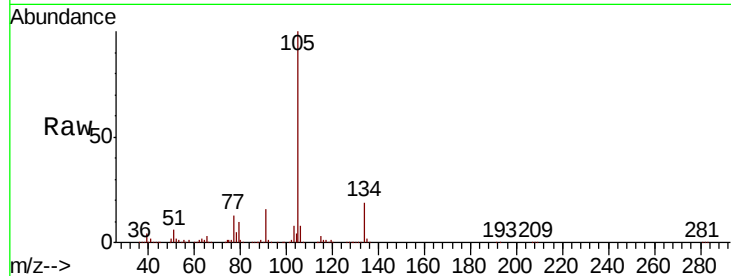
#81
 sec-Butylbenzene
 Concen: 55.776 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	0.0	38.0

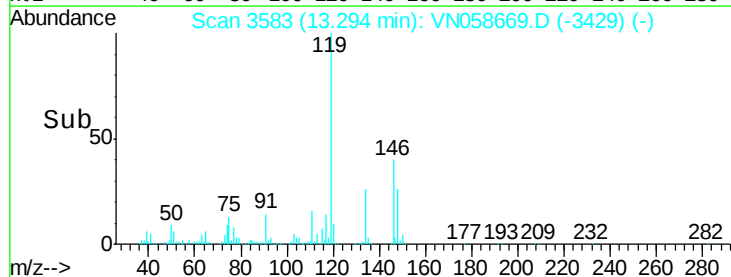
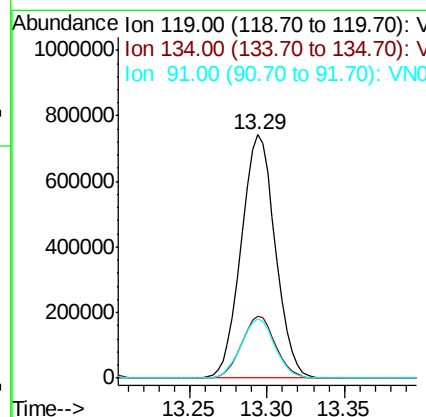
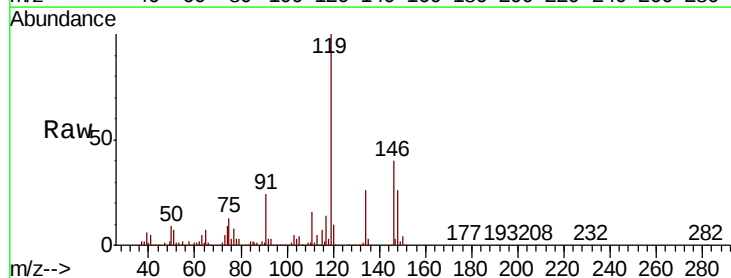
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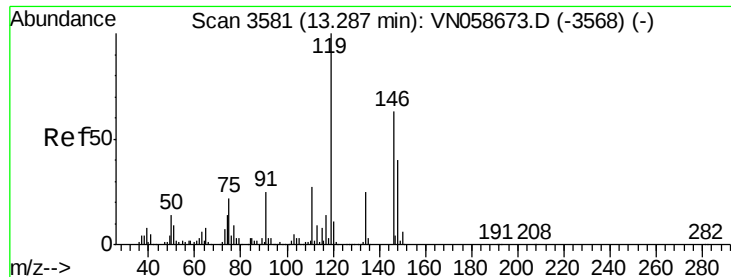
MMDadoda
 10/11/2019 2:47:47 PM



#82
 p-Isopropyltoluene
 Concen: 56.118 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	24.3	0.0	49.4





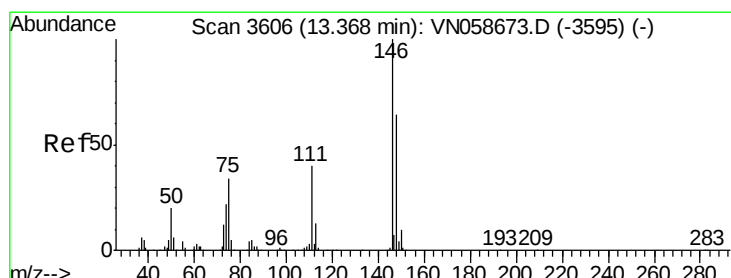
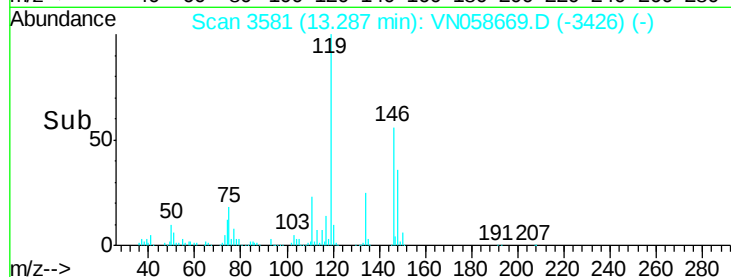
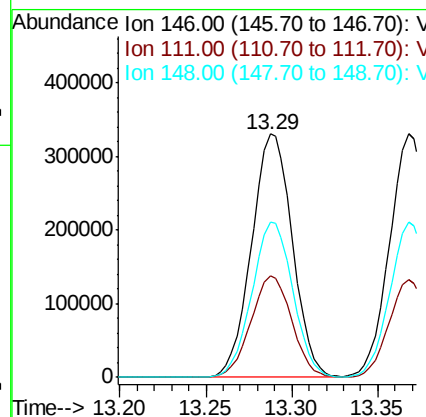
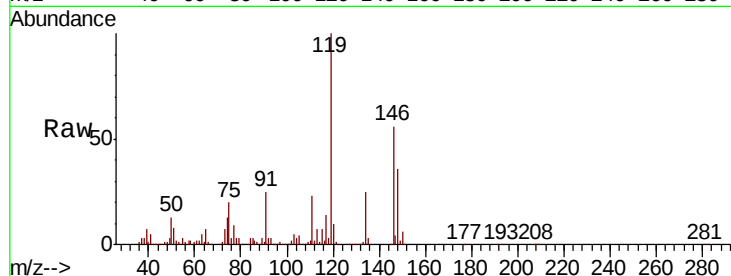
#83
 1,3-Dichlorobenzene
 Concen: 52.993 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.9	31.7	95.1

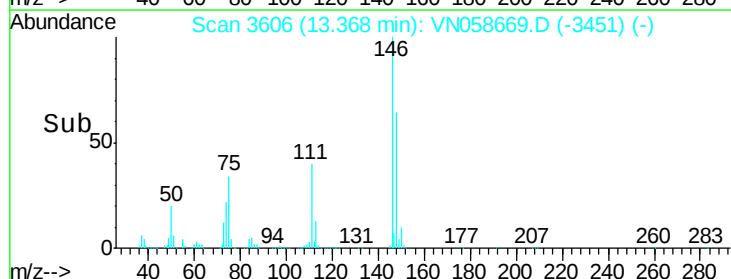
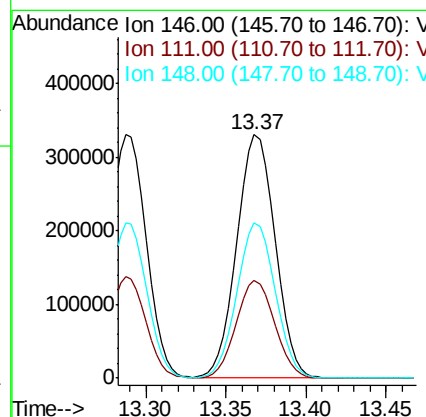
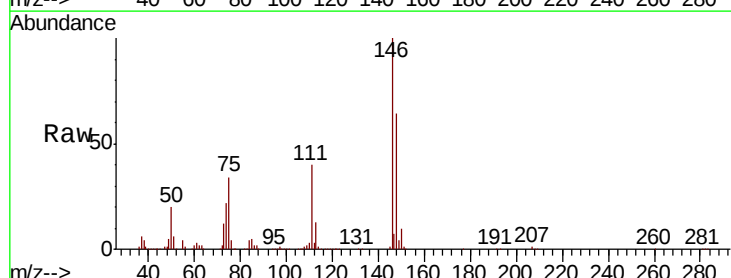
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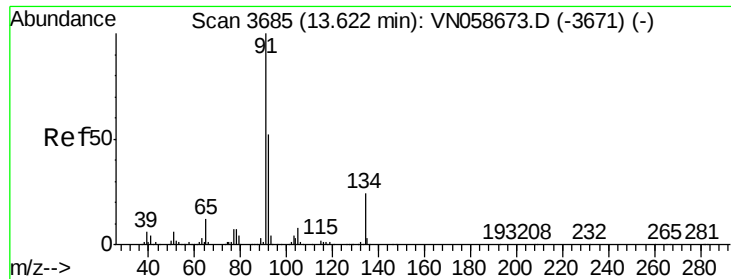
MMDadoda
 10/11/2019 2:47:47 PM



#84
 1,4-Dichlorobenzene
 Concen: 52.727 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.4
148	63.7	31.6	94.8





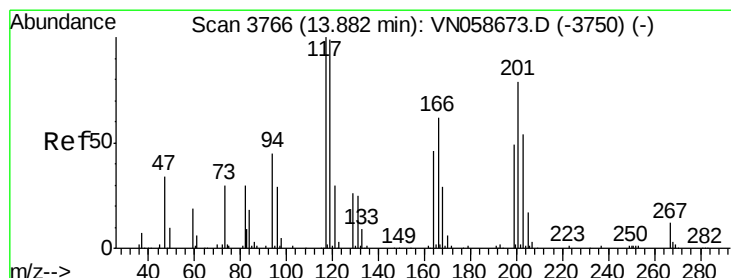
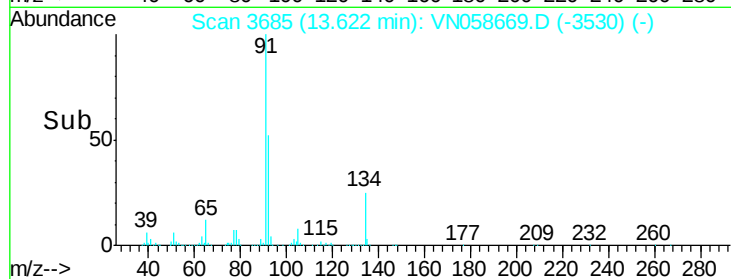
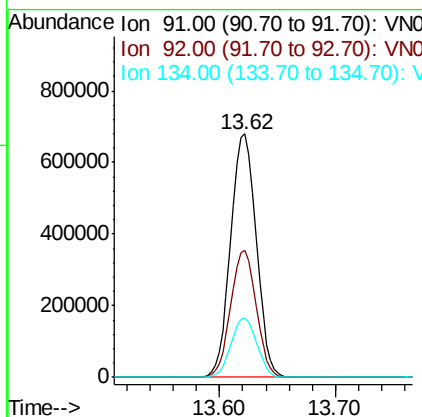
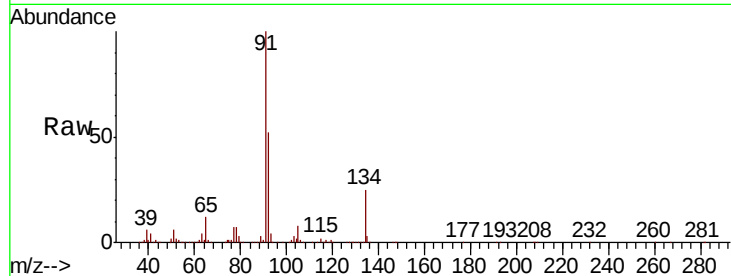
#85
n-Butylbenzene
Concen: 55.819 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	102.8
134	24.4	0.0	48.6

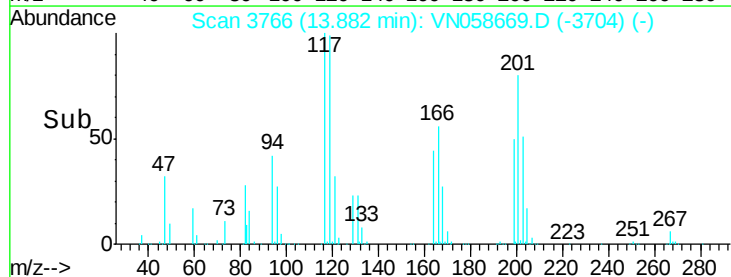
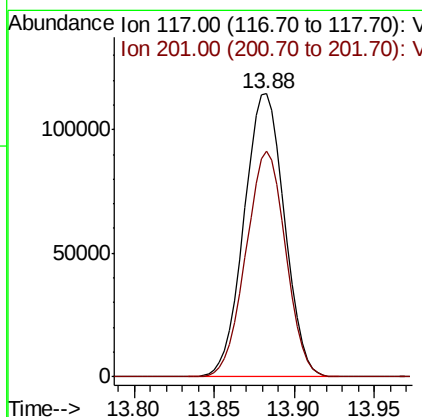
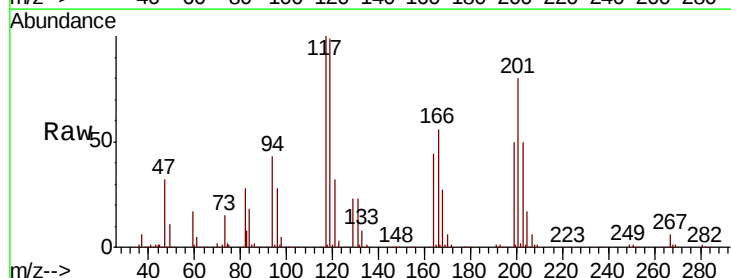
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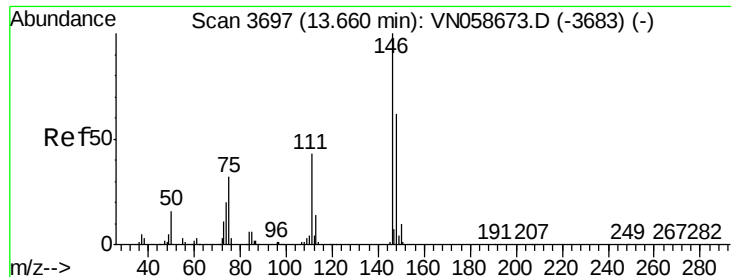
MMDadoda
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#86
Hexachloroethane
Concen: 58.459 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.7	116.1





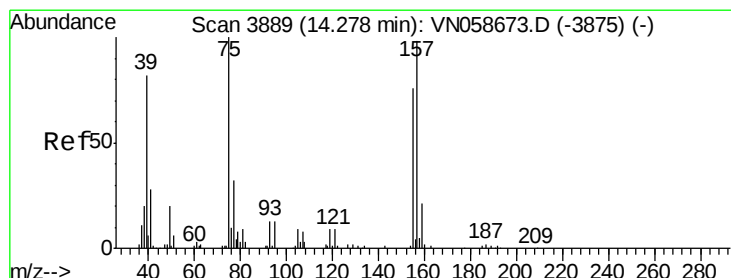
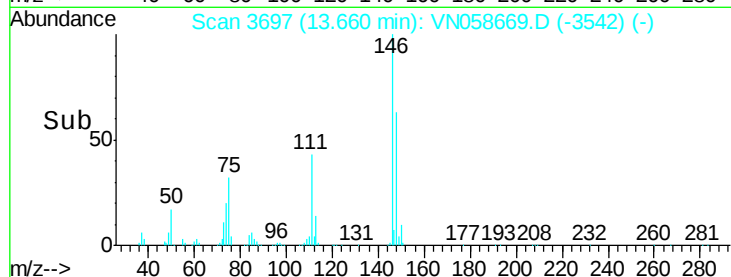
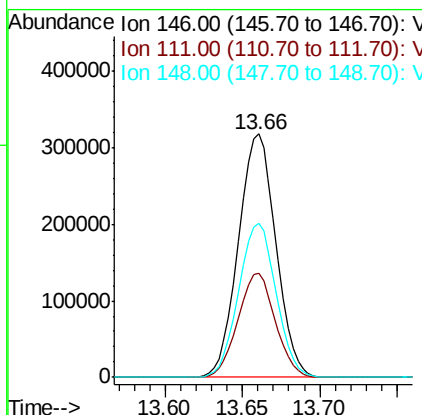
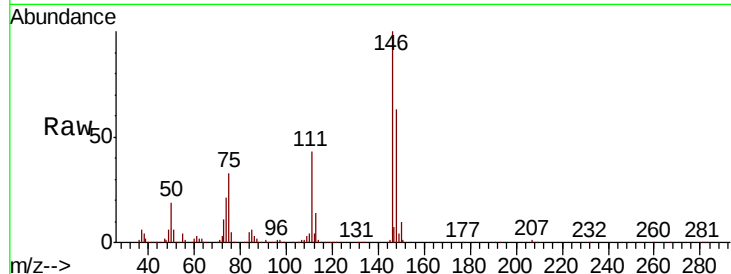
#87
 1,2-Dichlorobenzene
 Concen: 53.603 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.4
148	63.3	32.1	96.5

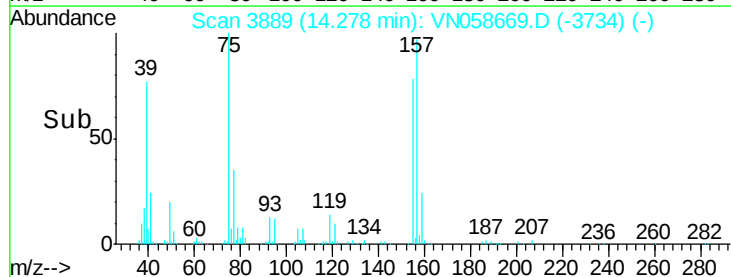
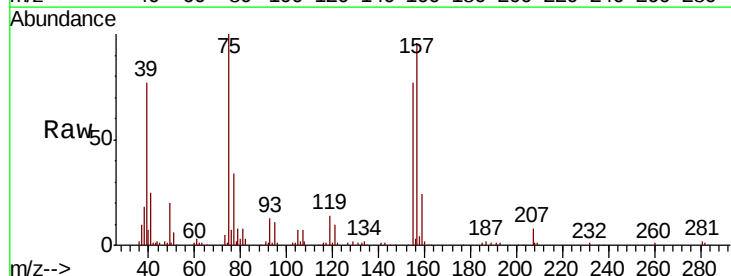
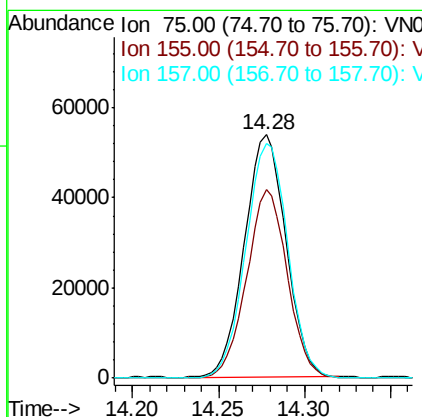
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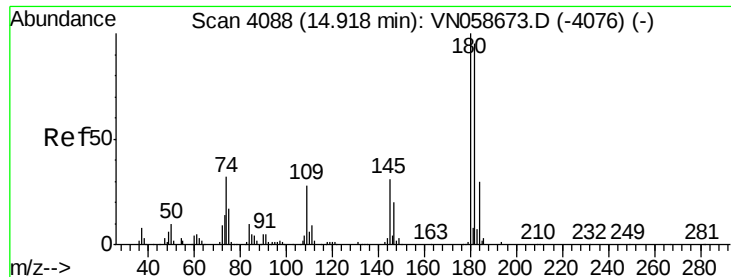
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 59.640 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	58.3	87.5
157	98.0	75.0	112.6





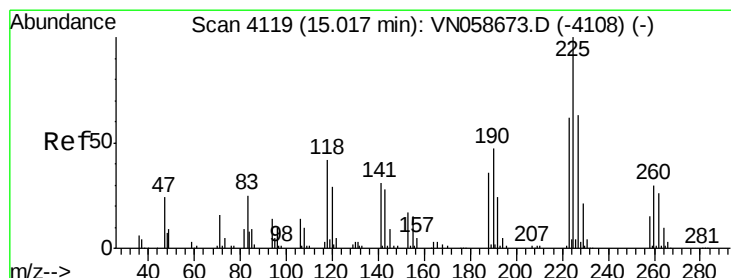
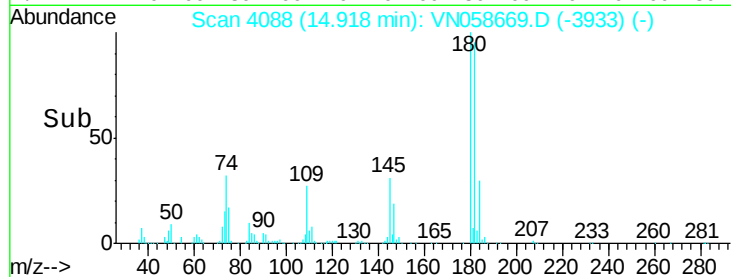
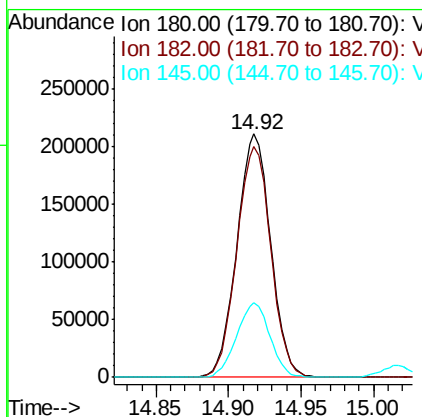
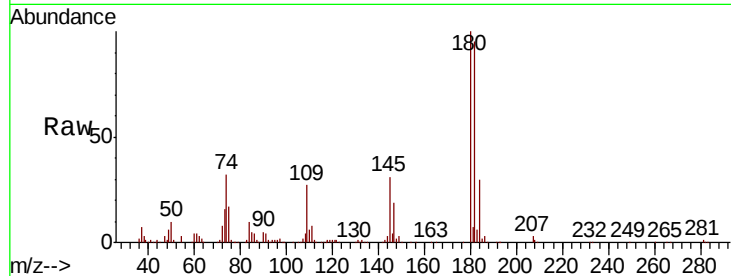
#89
 1,2,4-Trichlorobenzene
 Concen: 51.832 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	340896		
182	95.6	75.3	112.9	
145	30.4	24.8	37.2	

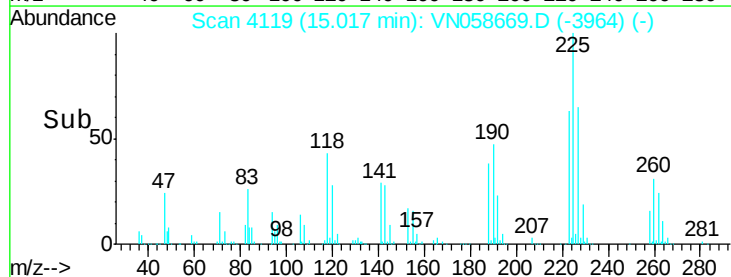
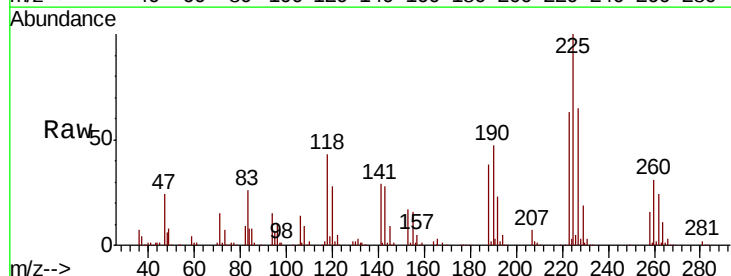
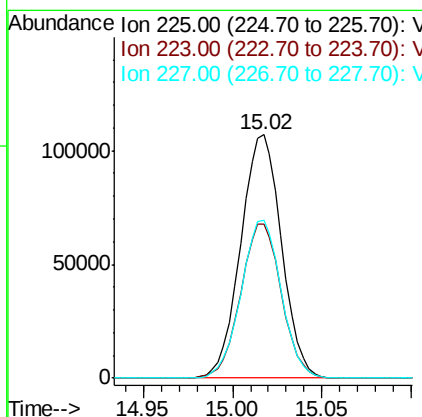
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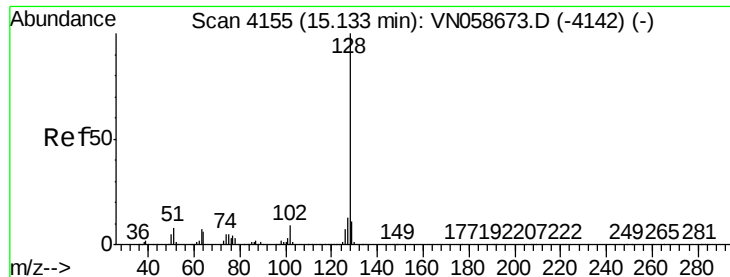
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 10/11/2019 2:47:47 PM



#90
 Hexachlorobutadiene
 Concen: 53.166 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170566		
223	63.2	0.0	126.2	
227	63.9	0.0	127.0	





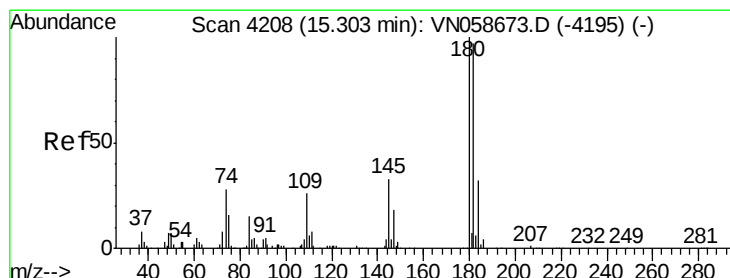
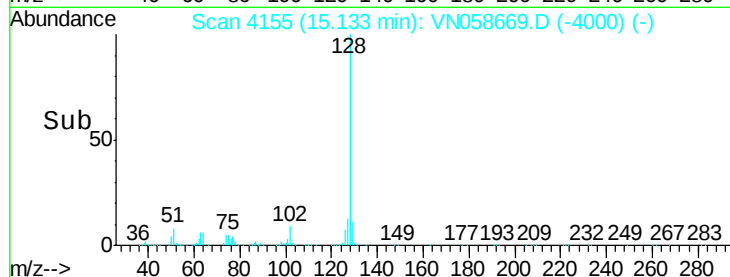
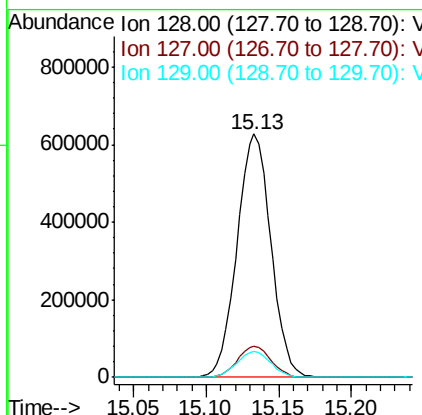
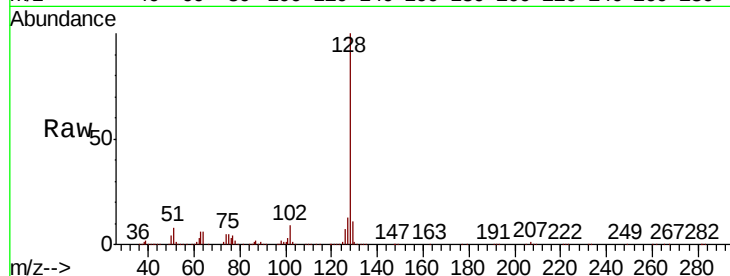
#91
Naphthalene
Concen: 55.531 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 51.205 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	193.4
145	32.2	0.0	65.8

